

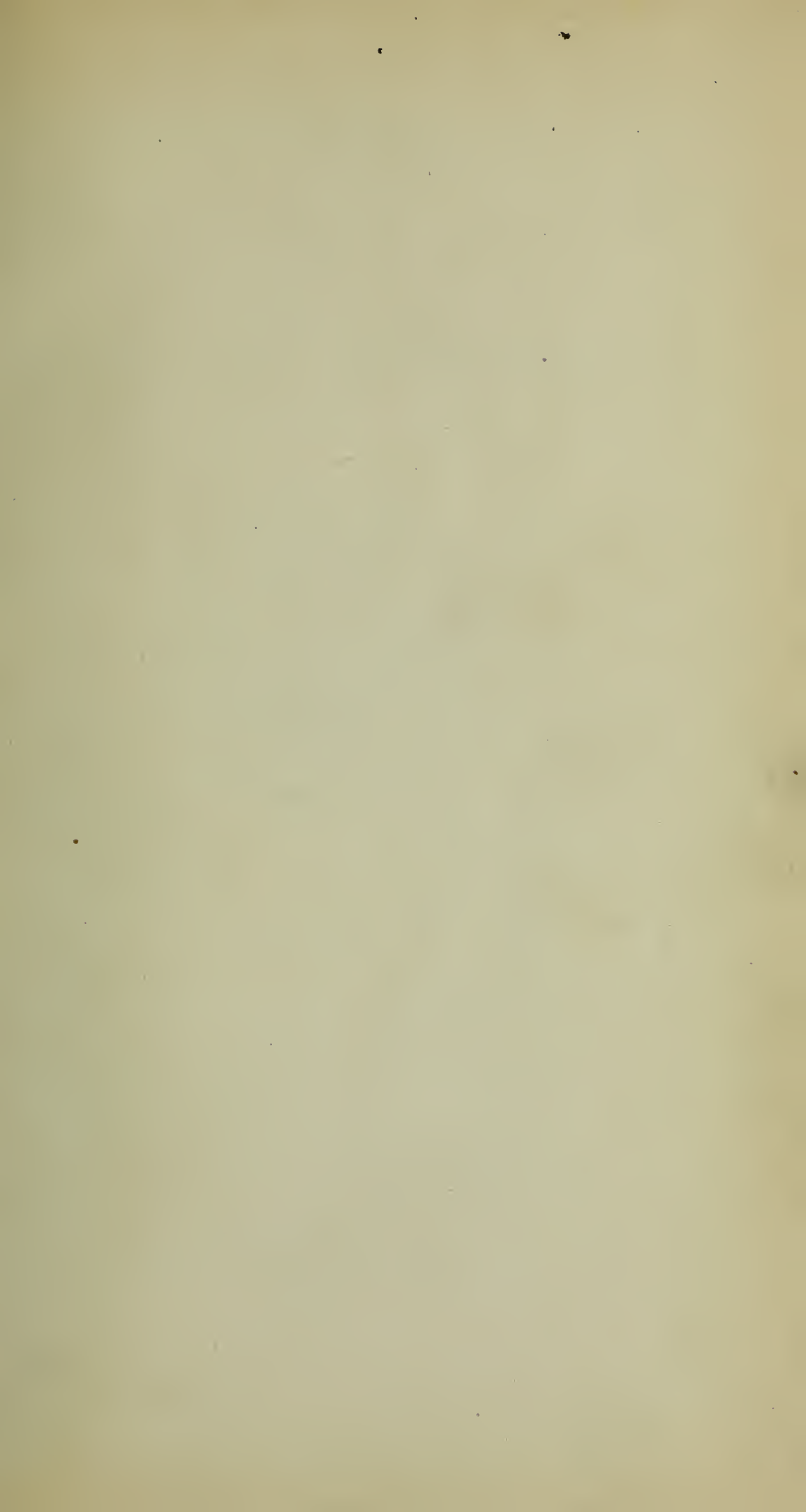
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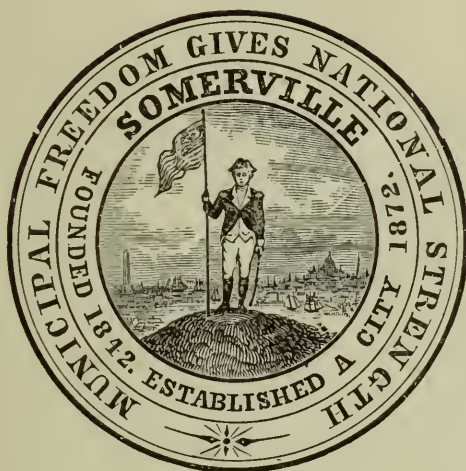
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CITY OF SOMERVILLE

ANNUAL REPORTS.



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ADDRESS OF MAYOR BELKNAP.

GENTLEMEN OF THE CITY COUNCIL:—

With profound gratitude for the unanimity with which the citizens of Somerville have conferred upon me this important trust, I enter upon the duties pertaining to it, fully conscious of my inability to discharge them successfully, without the cordial support and earnest co-operation of my fellow-citizens.

While I sincerely regret that I cannot give them greater ability in return for their generous confidence, they may rest assured, that, so far as lies in my power, they shall have an honest and faithful administration of the government.

In receiving this honorable trust of our fellow-citizens it is becoming us to be sincerely grateful to Divine Providence, for the continued blessings of health, peace, and general prosperity within our city.

In discharging the first duty which the city charter imposes upon me, I shall briefly ask your attention to some of the leading subjects which will demand your investigation the present year.

The importance of a general knowledge of the condition of the finances, to those who have the practical management of our municipality, renders it necessary that you should have a more explicit statement of their condition than can be given at this time, and for such statistical information you are referred to the report of the City Treasurer.

It is due to the retiring members of the city government to say that they have labored earnestly to leave the business of the city so conditioned, as not to embarrass the incoming administration.

FINANCES.

The gross debt at the close of the year was \$1,571,854, including the water debt of \$295,000. Increase over last year, \$152,000. Value of public property, \$1,438,000.

The amount of the floating debt is about equal to the amount of taxes and assessments due the city.

Of the public debt, there will mature the present year \$181,000, some portion of which should be liquidated at maturity, if it can be done without neglecting other important interests.

The entire amount of taxable property by the assessors' valuation of 1875 is \$31,317,000.

In making a statement showing the indebtedness of the city in comparison with the value of public property, there is a liability to mislead the public. It really matters very little to the tax-payers what estimated value is put upon the public property; for we have no rentals of importance, and no considerable portion of it can ever be used in liquidation of the city indebtedness.

On the subject of municipal indebtedness, the Legislature of 1875 passed an act, No. 209 General Laws, entitled "An Act to regulate Municipal Indebtedness." It seems to have been passed to enable the people to keep themselves from spending their own money. If this law remains upon the statute books of the Commonwealth another year, it will be necessary to carry out its provisions. I would recommend a careful perusal of it, so that members may be prepared to act understandingly should occasion require.

ASSESSMENT OF TAXES.

Perhaps the most difficult and delicate duty that devolves upon any department is the assessment of taxes. The people of this country have been sensitive on this subject from its earliest history; and in this direction time seems to have wrought no change.

The assessors are directed by the government to collect a certain sum of money on the property of the citizens, and to make the appropriation as equal as possible. The government finds a line of

current expenses to be provided for, to which add for public improvements such sums as may be deemed expedient, and these make the sum to be assessed.

This sum total may be larger or smaller, depending upon the amount expended on improvements, which are usually made in compliance with the request of the petitioners, who are the people to be taxed.

The remedy lies in the hands of the people. Petitions are presented for the grading of streets, setting of edgestones, laying of brick sidewalks, construction of sewers, or the erection of public buildings; the petitioners are of course in favor of the object, or they would not sign the petition. It is referred to its appropriate committee. Notice is given, through the papers, of the time and place of a hearing to be given, when *those opposed* to the prayer of the petitioners may have an opportunity to be heard; no one appearing to object, the prayer is granted, and the expense of carrying out the measure is added to the tax of the current year, or to the public debt.

High valuation of real estate has been a fruitful source of complaint in our city during the past year. The belief is quite general that it is taxed for more than its market value. This question is of general interest to the people, and they have a right to expect their expressed wishes will be regarded. It is plain to be seen that if personal property is taken at its market value, and real estate is taken above, injustice is done to the real-estate owner.

SCHOOLS.

The importance of education cannot well be overestimated. The perpetuity of our republican institutions depends upon the intelligence and virtue of the people. These are not synonymous terms, for one may exist without the other. Prison statistics show that nearly three fourths of the inmates of those institutions come from among the ignorant as well as the vicious classes. That "idleness leads to vice" is an old maxim, and is as trite as it is true.

The young pupil being assigned a definite duty is occupied in its performance, and is thus kept from idleness and vice. The text-

books of our schools are selected with especial reference to their moral influence, as well as for the improved method of imparting instruction. Under these influences the child grows in knowledge and in goodness, and at maturity steps on the stage of life with thoughts clear, and principles of action well established on a sound basis ; for the mind, like the body, grows by what it feeds upon.

Somerville has always been liberal in her school appropriations, and her schools have for many years ranked with the best in the State.

The appropriation for schools for 1875 was \$86,000. Number of teachers, 86 ; number of pupils in High School, 210 ; in the other schools, 3,498. Total, 3,708.

THE PUBLIC LIBRARY

Continues its hold upon public interest, as will be seen by the number of books taken out during the year. Number this year, 43,498 ; last year, 35,087 ; increase over last year, 8,411 ; number of books in the library, 5,228.

The Trustees have taken great pains to place before the reading public such books as will entertain and edify the patrons, and will elevate the reader in the scale of social, moral, and intellectual excellence.

The room accommodations have been too limited for the full realization of all the benefits that naturally flow from this source. By a recent enlargement of its apartments, books can be delivered with greater facility, and a reading-room is to be connected with the library, which will very much increase its usefulness.

HIGHWAYS.

Good streets are an essential element in the general prosperity of any town or city, especially in the immediate vicinity of Boston, where the inhabitants of that city are likely to ride for pleasure, and where they may be prompted to seek homes, that they may enjoy the luxury of driving over well-kept streets.

Prompt and constant attention should be given to general repairs on the streets and thoroughfares that have been laid out, accepted,

and graded by the city; that they may invite rather than repel travel, and that there shall be no waste of public money by delaying repairs until the cost of making them shall be increased beyond that resulting from the actual wear and tear of public travel.

The policy of opening streets through private property, at the public expense, for the purpose of bringing land into the market at an enhanced value, is of doubtful expediency, and should not be pursued in the present condition of the city finances.

Streets that have been opened by the abutters, laid out at a proper width, and graded by them in a satisfactory condition, and where dwellings have been erected and occupied, and where the convenience of those living on the street, and of public travel requires their acceptance, with proper assurances from the abutters that on account of such acceptance and grading no damages will be claimed by them, such streets are recommended to your favorable consideration when petitions for their acceptance are presented.

Street appropriation, \$85,000.

STREET LIGHTS

Make a city more cheerful, and give additional security to travellers. The thief and the assassin seek the cover of darkness to conceal their evil deeds. When we remember that, but for these lights, we must grope our way about the city in darkness one third of the twenty-four hours of each day, we realize that they are the cheapest luxuries that can be obtained.

Appropriation, \$8,500. Number gas lights, 274; oil do., 20. Number of lamp-posts erected in 1875, 19, — gas, 15; oil, 4.

SEWERS.

The introduction of Mystic water rendered necessary some comprehensive system of sewerage, and as the water is extended into new sections of our city, sewerage must follow as its counterpart.

It is a matter of regret that some general system of sewerage has not been adopted by Boston and its vicinity, of which Somerville is a part, that will fully meet all the requirements of the present and future. This subject is receiving the attention of some

of our scientific men, who will doubtless, at no very distant day, report a plan that will meet the combined wants of all the towns and cities in this vicinity. Drainage is much needed in West Somerville. You will probably be asked to continue the Beacon Street sewer to some point in that locality. Appropriations for 1875, \$20,000.

WATER.

The public health as well as the convenience of the inhabitants and the safety of their property requires the general introduction of pure water in such an abundance as to meet all the demands of the people.

Total amount of distribution pipe laid in the streets to Dec. 31, 1875, 42 miles, 2,608 ft. Laid in 1875, 1 mile, 2,307 ft. Number of hydrants, 236. During the year 1875, 286 service pipes have been laid, measuring 2 miles, 696 ft. Total cost of water works to Dec. 31, 1875, \$320,672.08.

FIRE DEPARTMENT.

This department is reported as being in good condition. The members are working together harmoniously, and the apparatus is generally in a satisfactory state.

It consists of one steam fire engine, five horse hose carriages, and one hook and ladder carriage. Reserve for relief purposes, one old horse hose carriage, and a hook and ladder carriage. There are 4,900 feet of hose fit for use.

The working force consists of 79 men, including the Board of Engineers. The fire-alarm telegraph is in order, and is working satisfactorily. The number of alarms within the city limits during the year have been 30. Net loss by fire, \$8,860.

The relations between the firemen and police have been cordial, and alarms have, in all cases, been promptly given.

Our city has been exempt from fires the past year to a degree rarely attained.

The promptness with which alarms are answered, the coolness and good judgment displayed by the firemen in the management of fires, and the excellent water facilities, all combined, have placed

Somerville first on the list of risks on the books of underwriters. As land increases in value in the more thickly settled portions of the city, there is a tendency to build wooden dwellings too near each other. If persisted in, this will eventually lead to serious consequences. Buildings erected in proximity should be constructed of bricks or stone.

Appropriation, \$27,500.

POLICE.

This department is well organized, under good discipline, and is rendering efficient service. It consists of twenty-eight men, including officers.

The importance of having this force composed of men active, intelligent, temperate, cool, courageous, and gentlemanly, cannot be overestimated, for the safety of the persons and the property of the inhabitants are committed to their care.

During the past year new, commodious and elegant quarters have been provided, with all the improvements and modern conveniences requisite for the comfort of the men; and so far as relates to the building, for the successful management of the department.

It is desirable that some method of communicating with the Central Station should be devised, to notify when arrests are made in different localities, and that a suitable carriage be provided for the conveyance of persons under arrest, to and from the stations.

Appropriation, \$30,250.

OVERSEERS OF THE POOR.

The duties of this subdivision of the government seem to have been faithfully and impartially performed, with an honest effort on the part of those administering to deal justly and leniently with those who are so unfortunate as to be forced by untoward circumstances to seek relief.

The amount expended during the year is reported to be \$12,000. The number of families helped, 455.

The number of dependants is rapidly increasing, as public works

where laborers have been employed are being suspended for the winter; and as the rigor of the season requires more food, additional clothing, and a constant supply of fuel which they are unable to provide for themselves, there is left them no alternative, however humiliating it may be, but to solicit aid or suffer from want.

Some of our poor are boarding in a neighboring city, which desires to be relieved from further service. It may be necessary to provide some place for them, should our neighbor persist in having them removed.

Probably most of the members elect are aware that Somerville owns a farm in Waltham, containing thirty-five acres, more or less. It now lies fallow. Some portions of it are suitable for cultivation, others contain large deposits of gravel, supposed to be suitable for street purposes, mixed with cobble-stone, which if crushed would make a superior quality of McAdam for a top dressing on the streets, and for general repairs. It may be deemed advisable to erect a building on this land for the poor, so that they may be employed in cultivating the land, loading trains with gravel, and crushing stone, thereby earning a partial support, and thus saving a portion of the expense that must otherwise be borne by the taxpayers.

During the war, and from its close to the crash of 1873, there was unprecedented activity in all branches of commercial, manufacturing and mechanical industry; and while under the inspiration of a fictitious prosperity, public improvements were made, of great magnitude, which resulted in a material advance in the price of labor.

This advance invited labor to leave the cultivation of the soil for the more lucrative employment offered in the cities and large towns of the Commonwealth. This activity and these industries are checked, because they are not remunerative; and improvements are stopped because the property-holders cannot pay for them, and to continue them on borrowed capital must eventually end in bankruptcy. The only remedy for this difficulty is a redistribution of labor. The surplus laborers, concentrated in the cities and large villages, must retire into the country, and become producers as well

as consumers, or the trials and sufferings of the poor laboring man must be intensified with no immediate hope of relief.

STATE AID AND SOLDIERS' RELIEF.

It will be remembered that when soldiers were wanted to go to the front, one of the strongest inducements offered was the assurance that in the event of their decease, or of their being disabled for life, their families should not be left to suffer in poverty and want. Many a volunteer stood hesitating, with love of country in one balance and love of home in the other, until this assurance was given; when, with an abiding confidence in the sincerity of those whose pledge he had received, he parted with those most dear to him, and hurried forward to help save his imperilled country. This promise should be religiously kept, and the pledge cheerfully redeemed.

Care should be taken that those who were unfaithful do not impose upon the generosity of the city. No fear need be entertained of the good soldier attempting to deceive you; for the manliness that makes a good soldier places him above the practice of dishonesty.

Appropriation \$1,000 for Soldiers' relief. State aid refunded by the State.

PUBLIC HEALTH.

During the four years of our municipal existence great improvements have been made in the condition of the low lands. There are still remaining some places where stagnant water collects, and during the summer months becomes a nuisance. Such places ought to receive attention early in the spring, that they may not engender disease in warm weather.

The city is fortunately free from all epidemics at the present time.

Appropriation, \$6,000.

THE PUBLIC BUILDINGS

Are reported to be in thorough repair. While the Forster School-house was undergoing repairs, after the fire, it was critically exam-

ined by competent experts, who pronounced it safe and substantial, except in the roof, where the trusses had shrunk and parted joints. These have been brought together, strengthened and secured, so that it is now believed to be safe beyond doubt or question. The building known as the old Police Court is now unoccupied. It was formerly a school-house, and with a few hundred dollars expended in alterations, rooms may be provided for two schools.

PUBLIC PARK.

The work of constructing the park is reported to be so far advanced as to warrant the belief that it will be completed within the time specified in the agreement with others interested in its construction. The amount appropriated for this work is \$200,000. It is expected that this sum, with the betterments to be collected, will complete the park and pay for ornamentation.

Gentlemen of the City Council, — “In entering upon the trusts committed to our care, let us firmly rely upon each other in the discharge of every duty that falls to us to perform; while we look to one another for mutual assistance in all that shall be required of us, let us profit by the advice of others who are equally interested with ourselves in the management of the diversified responsibilities which must necessarily be connected with our city.”

“While we must adhere to the most *rigid economy in all expenditures*, we must maintain the honor of our city, meeting its engagements and fulfilling its obligations.”

While “we must do all we can to promote the prosperity and advancement of our city, we must defer entering upon great enterprises that will require great outlays, until our finances will permit the same being done without increasing taxes so as to oppress all classes of our citizens.”

In our attempt at economy we must not exceed the limits of prudence, and refuse improvements that a judicious regard for the welfare of the people require.

“Harmony is the strength and support of all institutions,” and where this is disregarded permanent success cannot be attained. You will not expect entire unanimity of thought and feeling while

important questions are under consideration. Differences of opinion and courteous discussion are necessary to bring out the facts and present the bearings of questions, and to perfect legislation.

“The harmony of things,
As well as that of sounds, from discord springs.”

All feeling of a local or personal nature should be studiously avoided ; for a benefit justly bestowed upon a single individual is a benefit to the whole community. In determining the precedence, reference should be had to the urgency of the work ; disregarding locality, ownership, or private interest. Viewed in this light, and tried by this standard, legislation becomes equitable, and easy to adjust to the wants and requirements of the people.

TREASURER'S
FIFTH ANNUAL REPORT
OF THE
FINANCIAL CONDITION
OF THE
CITY OF SOMERVILLE;
AND THE
RECEIPTS AND DISBURSEMENTS
FOR THE FINANCIAL YEAR 1876.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Feb. 12, 1877.

The Report of the City Treasurer and Collector of Taxes for the year 1876 was received, accepted, and referred to the Committee on Finance, and sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Feb. 14, 1877.

Concurred in.

SOLOMON DAVIS, *Clerk.*

IN COMMITTEE ON FINANCE, Feb. 26, 1877.

To the City Council of the City of Somerville:

The Committee on Finance, to whom was referred the Treasurer's Report for the financial year, ending Dec. 31, 1876, have made a careful examination of the same by comparing it with the Auditor's accounts, and with the vouchers on file; they take pleasure in reporting that they find the same correct; that it contains a faithful history of all financial transactions for the year, and that his books are kept in a systematic and accurate manner. They therefore recommend that his report be accepted.

JOHN F. COLE, *for the Committee.*

IN BOARD OF MAYOR AND ALDERMEN, Feb. 26, 1877.

Report accepted and adopted. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Feb. 28, 1877.

Concurred in.

SOLOMON DAVIS, *Clerk.*

IN BOARD OF MAYOR AND ALDERMEN, Feb. 26, 1877.

ORDERED: That the Committee on Printing be, and they are hereby authorized to cause to be printed, a suitable number of the Treasurer's Report for the financial year, ending December 31, 1876.

Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Feb. 28, 1877.

Concurred in.

SOLOMON DAVIS, *Clerk.*

CITY OF SOMERVILLE,

TREASURER'S OFFICE, Feb. 12, 1877.

To the Honorable, the Mayor, and the City Council of the City of Somerville.

GENTLEMEN, — The undersigned has the honor of presenting his Fifth Annual Report of the financial condition of the city, and also a statement of the receipts and disbursements for the year 1876.

FINANCIAL CONDITION OF THE CITY.

Public Property.

The value of the property of the city Dec. 31, 1875, as appears by the report for that year, was \$1,468,853.12; and this amount has been increased the past year by the extension of the Water Works, \$6,409.49; expended in completion of the Public Park, \$27,333.04; additions to the Public Library, \$750.00; and cost of land on Oliver Street, acquired by surrender of land filled by authority conferred by Chap. 299 of the Acts of the Legislature of Massachusetts for the year 1872, \$11,252.01: making as total value of the public property Dec. 30, 1876, \$1,511,597.66.

Funded Debt.

The funded debt of the city Dec. 31, 1875, amounted to \$1,571,854.00. Of this sum \$171,000.00 became due in 1876, and was provided for by taxation, \$10,000.00, and by the issue of new bonds, \$161,000.00. On authority of orders of the City Council, bonds were issued and negotiated during the year for the purpose of extending the Water Works, \$10,000.00, and for the purpose of

constructing the Beacon and Elm Streets sewer, known also as the "West Somerville sewer," \$35,000.00, increasing the funded debt to \$1,606,854.00.

Taking advantage of the favorable condition of the money market, the City Council, in September last, authorized the issue of bonds on Funded Debt account for \$165,000.00, in anticipation of the requirement of an equal amount of the part of the debt falling due the present year. The bonds, bearing interest at five per cent and made payable April 1, 1895, were sold at a premium. Funded Debt is, consequently, temporarily increased by this amount, and the sum has been and will be employed until required for the purpose for which it was acquired, in lieu of borrowing on Temporary Loan Account in anticipation of the collection of taxes and assessments.

The amount of the sinking funds, applicable to the reduction of the \$1,606,854.00, and being the first contribution under the law of 1875, is \$45,130.62.

The liabilities of the city Dec. 30, 1876, other than the Funded Debt, were Temporary Loans, \$110,000.00; Reduction of Funded Debt, for amount (except Sidewalk Loan Bond, No. 5, for \$10,000.00) of the debt falling due the present year, \$165,000.00, and sundry accounts, including the credit balance of Excess and Deficiency Account, unappropriated, \$48,767.56, amounting to \$323,767.56; the assets available for the payment of this sum are, cash, \$8,203.21; Taxes uncollected, \$243,950.32; Highway Betterment Assessments, \$59,262.19; Real Estate Liens, \$8,976.67; and sundry accounts, \$23,438.04: amounting to \$343,830.43.

Lest there should be any misconception in regard to the temporary loans and reduction of funded debt indebtedness, amounting to \$275,000.00 as before specified, it may be stated, plainly, and divested of all the technicalities and formalities of the art of account-keeping, that the amount due *to* the city exceeds by more than \$20,000.00 the amount due *by* the city, not only on these two accounts, but also on all other accounts, excepting always Funded Debt Account.

The debt of the city is, therefore, the \$1,606,854.00 Funded Debt, with \$45,130.62 in Sinking Funds towards its extinction;

and leaving the \$20,000.00 already alluded to, in addition to the \$13,039.99 to the credit of Excess and Deficiency Account, to be applied to any abatements on taxes and assessments, and for the payment of any claims for which the city may be found to have made itself liable prior to the year 1876, and not yet adjusted.

RECEIPTS AND DISBURSEMENTS.

The balance in the treasury, Dec. 31, 1875, was \$16,875.09; the receipts during the year were \$1,790,281.85, and the disbursements for the year, \$1,798,953.73, leaving as balance in the treasury at the closing of the year's accounts, \$8,203.21.

There was raised by taxation in 1876 for the debit balance of Excess and Deficiency Account of 1875, \$11,275.87; for the State and County Taxes, \$37,490.51; for Overlay and Abatement Account, \$10,778.24; and for the year's current expenses, \$444,930.62; a total as per Assessors' Warrant, of \$504,475.24. The sum to Excess and Deficiency Account was placed in offset to its debit; the amount for State and County taxes was applied to their payment; the credit to Overlay and Abatement Account was more than absorbed by abatements on taxes; and of the amount for the current expenses accounts, there remains to the credit of Excess and Deficiency Account of 1876, after their payment and the payment of sums found to have been due on current expenses accounts of former years, including also the cost of land on Oliver Street, surrendered to the city, and the deficiency in Overlay and Abatement Account, and crediting the sums received as Corporation and Bank taxes from the State, and for premium on bonds sold, the sum already noted, of \$13,039.99.

Your attention is respectfully called to the accompanying Appendix, as specifying in detail the subject-matters presented in this report.

Respectfully submitted,

AARON SARGENT, *Treasurer.*



APPENDIX TO TREASURER'S REPORT.

Table A.

PUBLIC PROPERTY, DEC. 30, 1876.

Central Hill Land (12 acres, 27,920 feet),		\$175,000 00
City Hall,	\$13,000 00	
Furniture,	4,550 00	
		17,550 00
Public Library,		7,250 00
Steam Fire Engine House,	19,500 00	
Furniture,	500 00	
Steam Fire Engine and Apparatus,	6,000 00	
Steam Fire Engine Hose Carriage and Apparatus,	2,000 00	
		28,000 00
High School House,	60,000 00	
Furniture,	4,000 00	
Philosophical Apparatus,	500 00	
		64,500 00
Prescott School House Land (21,444 feet) and Building,	55,000 00	
Furniture,	3,000 00	
		58,000 00
Luther V. Bell School House Land (23,396 feet) and Building,	57,977 71	
Furniture,	3,122 29	
		61,100 00
<i>Amount carried forward,</i>		\$411,400 00

<i>Amount brought forward,</i>		\$411,400 00
Forster School House Land (32,693 feet) and Building,	\$52,500 00	
Furniture,	1,500 00	
	<hr/>	54,000 00
Morse School House Land (29,109 feet) and Building,	30,000 00	
Furniture,	1,250 00	
	<hr/>	31,250 00
Lincoln School House Land (18,000 feet) and Building,	14,000 00	
Furniture,	1,000 00	
	<hr/>	15,000 00
Prospect Hill School House Land (25,313 ft.) and Building,	30,000 00	
Furniture,	600 00	
	<hr/>	30,600 00
Jackson School House Land (11,212 feet) and Building,	13,050 00	
Furniture,	500 00	
	<hr/>	13,550 00
Bennett School House Land (20,560 feet) and Building,	15,000 00	
Furniture,	500 00	
	<hr/>	15,500 00
Webster School House Land (11,050 feet) and Building,	12,000 00	
Furniture,	500 00	
	<hr/>	12,500 00
Union School House Land (9,360 feet) and Building,	4,500 00	
Furniture,	100 00	
	<hr/>	4,600 00
Harvard School House Land (9,810 feet) and Building,	3,500 00	
Furniture,	200 00	
	<hr/>	3,700 00
<i>Amount carried forward,</i>		<hr/> \$592,100 00

<i>Amount brought forward,</i>		\$592,100 00
Edgerly School House Land (26,428 feet) and Building,	\$35,000 00	
Furniture,	500 00	
	<hr/>	35,500 00
Brastow School House Land (10,019 feet) and Building,	8,000 00	
Furniture,	250 00	
	<hr/>	8,250 00
Franklin School House Land (33,017 feet) and Building,	18,000 00	
Furniture,	500 00	
	<hr/>	18,500 00
Beach Street School House Land (6,000 feet) and Building,	6,000 00	
Furniture,	500 00	
	<hr/>	6,500 00
Spring Hill School House Land (4,991 feet) and Building,	2,500 00	
Furniture,	200 00	
	<hr/>	2,700 00
City Farm Land (10 acres, 12,523 feet)		40,000 00
Cedar Street School House	1,500 00	
Furniture,	100 00	
	<hr/>	1,600 00
City Stables and Dwelling Houses,	11,000 00	
Equipments for Highway Repairs,	4,500 00	
	<hr/>	15,500 00
No. 1 Hose House Land (4,312 feet) and Building,	5,600 00	
Furniture,	400 00	
John E. Wool Hose Carriage and Apparatus,	2,000 00	
	<hr/>	8,000 00
<i>Amount carried forward,</i>		<hr/> \$728,650 00

<i>Amount brought forward,</i>		\$728,650 00
No. 2 Hose House Land (5,400 feet)		
and Building,	\$12,250 00	
Furniture,	300 00	
Winter Hill Hose Carriage		
and Apparatus,	2,000 00	
	<hr/>	14,550 00
No. 3 Hose House Land (5,226 feet)		
and Building,	13,000 00	
Furniture,	300 00	
Geo. H. Foster Hose Carriage		
and Apparatus,	2,000 00	
R. A. Vinal Hook and Ladder		
Truck and Apparatus,	3,400 00	
Prescott Hook and Ladder		
Truck and Apparatus,	500 00	
	<hr/>	19,200 00
No 4 Hose House Land (9,100 feet)		
and Building,	16,000 00	
Furniture,	400 00	
Geo. O. Brastow Hose Car-		
riage and Apparatus,	2,000 00	
Relief Hose Carriage,	600 00	
	<hr/>	19,000 00
Fire Alarm Telegraph,		15,800 00
Police Station Land (15,232 feet) and		
Building (Bow Street),	49,204 54	
Furniture,	3,595 46	
	<hr/>	52,800 00
Prospect Street Land (7,918 feet) and		
Building (old Police Sta-		
tion),		10,000 00
Public Park,		212,395 67
Joy Street Land (2,960 feet),		1,000 00
Walnut Hill Land (10,890 feet),		1,500 00
	<hr/>	
<i>Amount carried forward,</i>		\$1,074,895 67

<i>Amount brought forward,</i>	\$1,074,895 67
Ledge Land, on Bond St. (39,732 feet),	\$5,000 00
Holland St. (5 a. 6,806 feet),	25,000 00
Milk Street (39,456 feet),	7,000 00
	<hr/>
	37,000 00
Gravel Land in Waltham (about 35 acres),	35,000 00
Gravel Land in Wakefield (about 1½ acres),	13,500 00
Gravel Land in Winchester (about 2 acres),	700 00
Somerville Water Works,	327,457 33
Tufts Street Land (29,584 feet),	14,792 65
Oliver Street Land (63,069 feet),	11,252 01
	<hr/>
Total,	\$1,514,597 66

Table B.
FUNDED DEBT, DECEMBER 30, 1876, WITH DATES FOR ULTIMATE REDEMPTION, REQUIRED BY THE LAW
TO "REGULATE AND LIMIT MUNICIPAL INDEBTEDNESS."

Date.	Loan.	Numbers of Bonds.	Rate per cent of Interest.	When due.	Denomination.	Amount.	Purpose of Issue.	Date for Redemption	Amount.
1874. April 1,	City,	36	7	1877. April 1,	\$2,000	\$2,000	{ Milk street Widening }		
"	"	37	"	"	3,000	3,000	{ Highland-avenue Widening. }		
"	"	38 to 43	"	"	5,000	5,000	{ Milk-street Widening }		
"	"	50	6½	"	20,000	40,000	{ To pay School Loan Bond No. 1 in part. }	1895. April 1,	\$175,000
"	"	56 & 58	"	"	10,000	20,000	{ Sidewalks }		
"	"	59	"	July 1,	5,000	20,000	{ Gravel Land in Wakefield }		
July 1, 1873	"	62 to 65	"	Oct. 1,	10,000	10,000	{ Public Park }		
April 1, 1874.	Sidewalk,	5	7	"	5,000	5,000	{ Milk-street Sewer }	"	55,000
Oct. 1,	City,	97	6½	"	5,000	20,000	{ Sidewalks }	1905. April 1,	30,000
"	"	112 to 115	"	"	10,000	10,000	{ Water Works }		
1873. Oct. 1,	"	122	"	1878. Oct. 1,	5,000	20,000	{ Milk-street Widening }		
"	"	31, 32, 34 & 35	7	"	25,000	5,000	{ Highland-avenue Widening }		
1869. Jan. 1, 1874.	Sidewalk,	33	6½	"	10,000	10,000	{ Milk-street Widening }		
"	Water,	6	"	1879. Jan. 1,	10,000	30,000	{ Various: in lieu of Town Note re-tired }	1895. April 1,	69,854
1872. July 1, 1859.	City,	1 to 3	"	July 1,	5,454	5,454	{ Various }		
"	"	44	7	Oct. 1,	14,400	14,400	{ Sidewalks }		
Oct. 1, 1874.	"	51	6½	"	3,000	3,000	{ Land for School-house on Tufts Street }		
"	"	61	"	"	2,000	10,000	{ Various }	1895. April 1,	86,500
1870. July 1, Oct. 1,	Sidewalk, City, " "	7 143 144 145 & 146 Town 3 " 4	6½ " " " " "	1880. July 1, Oct. 1,	55,000 21,500	55,000 21,500			

1874, Oct. 1, 1870.	Sidewalks,	8	6½	Oct. 1,	10,000	10,000	Sidewalks	1905. April 1,	40,000
Oct. 1, 1870.	Water,	6	"	"	40,000	40,000	Water Works	"	20,000
Dec. 31.	"	7	"	1881. Jan. 1,	20,000	20,000	Water Works	1895. April 1,	68,000
"	City,	Town 5, School 2,	"	"	5,000	3,000	Various	1905. April 1,	40,000
1871.	"	"	"	"	3,000		Morse School House		
April 1,	"	" 3,	"	April 1,	60,000	60,000	High School House		
Oct. 1,	Water,	8 to 11	"	Oct. 1,	40,000	40,000	Water Works		
"	City,	Town 6	"	"	10,000	10,000	Various		
"	"	" 7	6	"	2,000	2,000	Prescott School House	1895. April 1,	106,000
"	"	" 8	6½	"	11,500	11,500	Sidewalks		
"	"	School 4	"	"	25,000	25,000	Various: to pay Sundry Town Notes		
1874.	Sidewalk,	9	"	"	10,000	10,000	To pay Water Loan Bond No. 4	1905. April 1,	90,000
Oct. 1,	City,	1	"	1882. April 1,	17,500	17,500	Water Works	1895. April 1,	45,000
1872.	"	3 & 4	"	July 1,	10,000	10,000	Various: to pay Sundry Town Notes		
April 1,	"	5 & 6	"	"	5,000	5,000	Geo. O. Brastow, Hose House		
"	Water,	12	"	"	10,000	10,000	Sidewalks		
"	"	13	"	"	50,000	50,000	Fire Alarm Telegraph		
"	City,	8 & 10	"	"	40,000	20,000	Highland-avenue Widening		
"	"	9	"	"	10,000	5,000	Milk-street Widening	1895. April 1,	114,000
Oct. 1,	"	11 & 12	"	Oct. 1,	5,000	10,000	War: in lieu of Town Note retired		
1874.	Sidewalk,	10	"	"	5,000	10,000	To pay School Loan Bond No. 1, in part	1905. April 1,	15,000
Oct. 1,	City,	49	"	1884. April 1,	10,000	10,000	Milk, Wash'ton, & Beacon-st. Sewer		
"	"	52 to 54	"	"	5,000	2,000	Water Works		
"	"	55	"	"	2,000	2,000	War: in lieu of Town Notes retired		
"	"	57 & 60	"	"	10,000	20,000			
1872.	"	7	5½	July 1,	20,000	20,000			
July 1,	"	66	6½	"	2,000	2,000			
1874.	"	67	"	"	5,000	5,000			
July 1,	"	72 to 79	"	"	5,000	40,000			
"	"	16 to 18	"	"	5,000	15,000			
1872.	Water,	13	6	Oct. 1,	6,000	6,000			
Oct. 1,	City,	14 to 17	"	"	5,000	20,000			
"									
Amount carried forward						\$980,354			

Table B.—Continued.

Date.	Loan.	Numbers of Bonds.	Rates per cent of Interest	When due.	Denomination.	Amount.	Purpose at issue.	Date of Redemption.	Amount.
1874. Oct. 1,	<i>Amount brought forward,</i> City.	80 to 86	6½	Oct. 1,	• • • • •	\$980,354	Gravel land in Waltham		
"	"	87 to 96	"	"	\$5,000	35,000	Police Station		
"	"	98	"	"	5,000	5,000	{ Gravel Land in Wakefield	1895.	\$339,560
"	"	99	"	"	2,500	1,000	{		
"	"	100	"	"	1,000	9,000	{		
"	"	101 to 103	"	"	3,000	1,000	{		
"	"	104	"	"	2,000	2,000	{ Public Park		
"	"	105	"	"	5,000	30,000	{		
"	"	106 to 111	"	"	3,000	125,000	{ Milk-street Sewer		
"	"	116	"	"	5,000	50,000	{		
"	"	117 to 121, 123 to 142	"	"	5,000		{		
"	"	147 to 156	"	"	5,000		{		
1876. April 1,	"	188	5½	1885. April 1,	4,500	4,500	To pay Bond No. 45, in part	1895. April 1,	4,500
1875. July 1,	Water, City,	19 to 22	6	1885. July 1,	5,000	20,000	Water Works	1905. April 1,	20,000
"	"	157	"	"	4,000	4,000	{		
"	"	158	"	"	3,000	3,000	{ Winthrop-venue Sewer	1895. April 1,	27,000
"	"	159	"	"	5,000	5,000	{		
"	"	160 to 162	"	"	5,000	15,000	{ Milk-street Sewer	1885. July 1,	60,000
"	"	163 to 174	"	"	5,000	60,000	{ Broadway Widening		
1876. April 1,	"	175 to 182	5½	1886. April 1,	5,000	40,000	To pay Bonds Nos. 20 and 21	1895. April 1,	61,000
"	"	183 to 185	"	"	5,000	15,000	{ To pay Bonds Nos. 46 and 48		
"	"	186	"	"	5,000	5,000	{		
"	"	187	"	"	1,000	1,000	{ To pay Bond No. 19	1905. April 1,	55,500
"	Water,	23 to 27	"	"	10,000	50,000	{ To pay Water Loan Bonds Nos.		
"	"	28	"	"	5,500	5,500	{ 14 and 15, in part		
"	"		"	1895. April 1,	35,500	35,500	To pay Bonds Nos. 22 to 30 & 45, in part	1895. April 1,	200,500
Oct. 1,	City,	189	5	"	5,000	25,000	{ In anticipation of Bonds to mature	1896. July 1,	35,000
"	"	190 to 194	"	"	1,000	140,000	{ in 1877	1905. April 1,	4,500
July 1,	Sewer,	1 to 7	"	1896. July 1,	5,000	35,000	Beacon and Elm streets Sewer	1906. July 1,	10,000
April 1,	Water,	29	5½	1905. April 1,	4,500	4,500	To pay Water Loan B'ds 14 & 15, in part		
July 1,	"	30 and 31	5½	1906. July 1,	5,000	10,000	Water Works		
						\$1,771 854			

Table C.

APPROPRIATIONS, RECEIPTS, EXPENDITURES, ETC., WITH EXCESS AND DEFICIENCY ACCOUNT, AND
LEDGER BALANCES, DEC. 30, 1876.

ACCOUNTS.	APPROPRIATIONS, RECEIPTS, EXPENDITURES, ETC.					EXCESS AND DEFICIENCY AC. COUNT, DEC. 30, 1876.		LEDGER BALANCES, DEC. 30, 1876.	
	DEBITS.		CREDITS.			Dr.	Cr.	Dr.	Cr.
	Disbursements as in Table E.	Credits to other Accounts.	Receipts as in Table D.	Debits to other Accounts.	Taxes Assessed in 1876.	Unexpended Balances Dec. 31, 1875.	Loans Authorized in 1876.		
Appropriations . . . . .	..	\$842,638 60	..	\$667,259 49	..	..	..	\$175,379 11	..
Ca-h . . . . .	..	1,807,156 94	..	1,798,953 73	..	..	..	8,203 21	..
County of Middlesex	9,698 51	..	..	..	9,698 51	..	..	..	..
Estate belonging to M. Do- heity, or owner unknown	38 10	2,931 05	..	2,972 15	..	..	..	..	..
Estate belonging to Charles Tufts . . . . .	..	3,683 73	..	3,683 73	..	..	..	..	..
Estate belonging to owner un- known . . . . .	..	220 24	220 24	..	..	..	..	..	..
Estate belonging to J. A. Palmer . . . . .	..	15 88	..	15 88	..	..	..	..	\$13,039 99
Excess and deficiency . . . . .	..	11,275 87	..	..	11,275 87	..	..	..	..
Fire Department	23,613 65	..	426 32	..	23,250 00	..	..	62 67	..
Funded Debt	171,000 00	..	371,000 00	1,571,854 00	..	..	..	..	1,771,854 00
Health Department	4,385 89	..	..	..	5,500 00	..	..	..	..
Highways	53,979 59	..	5,729 84	..	..	..	..	..	..
Highways (Chauncy Avenue)	3,375 10	..	..	6,507 12	..	..	..	..	..
Highways (Winthrop Avenue)	2,993 13	..	..	5,347 50	..	..	..	..	..
Highways (Springfield Street)	1,297 95	..	..	974 30	..	..	..	..	..
Highways (Broadway Grad- ing)	3,225 00	..	..	..	70,000 00	..	..	22,174 26	..
Highways (Concord Avenue)	3,045 25	58 86	..	2,010 07	..	..	..	..	..
Highways (Concord Avenue)	482 00	..	..	380 28	..	..	..	..	..
Highways (Glen Street)	151 80	..	..	102 00	..	..	..	..	..
Highways (Newton Street)	953 50	..	..	685 33	..	..	..	582 54	..
Highways (Adams Street)	..	582 54	..	..	..	..	..	935 77	..
Highways (Day Street)	..	935 77	..	..	..	..	..	..	..
Highways (Highland Avenue)	..	..	..	..	..	..	..	..	..
Widening	652 03	..	..	..	..	..	..	652 03	..
Highways (Florence Street)	..	159 12	..	..	..	..	..	159 12	..
Highways (Oliver Street)	..	430 91	..	..	..	..	..	430 91	..
Highways (Middlesex Avenue)	3,401 12	..	..	..	..	..	..	3,401 12	..
Amounts carried forward	\$282,292 62	\$2,670,092 51	\$377,376 40	\$4,060,745 58	\$119,724 38	..	..	\$6,161 49	\$23,351 04
								\$183,582 32	\$1,784,893 99

Table C.—Continued.

APPROPRIATIONS, RECEIPTS, EXPENDITURES, ETC., WITH EXCESS AND DEFICIENCY ACCOUNT, AND
LEDGER BALANCES, DEC. 30, 1876.

ACCOUNTS.	APPROPRIATIONS, RECEIPTS, EXPENDITURES, ETC.						EXCESS AND DEFICIENCY ACCOUNT, DEC. 30, 1876.		LEDGER BALANCES, DEC. 30, 1876.	
	DEBITS.			CREDITS.			Dr.	Cr.	Dr.	Cr.
	Disbursements as in Table E.	Credits to other Accounts.	Receipts as in Table D.	Debits to other Accounts.	Taxes Assessed in 1876.	Unexpired Balances, Dec. 31, 1875.				
<i>Amounts brought forward</i>	\$282,292 62	\$2,670,092 51	\$377,376 40	\$4,063,745 58	\$119,724 38		\$6,161 49	\$23,351 04	\$183,582 32	\$1,784,893 99
Highways (Vernon Street)		200 00					200 00			
Highways (Milk Street Widening)	969 70		5,025 00			12,427 32				16,482 62
Highways (Broadway Widening)	67 60		366 00			9,000 16				9,298 56
Highway Betterment Assessments										
Incidentals		84,073 65	22,444 26	2,367 20					59,262 19	
Interest		15 88	9,929 53					9,913 65		
Liquor Licenses	97,306 72	12,525 00	14,370 71	954 92	95,000 00			493 91		
Land on Oliver Street	431 25	1,293 75	1,725 00							
Miscellaneous		11,252 01					11,252 01			
Miscellaneous (Watering Streets)	15,516 78	923 00	2,418 20	7,205 83	10,000 00			676 17		
Overlay and Abatement	5,007 16	9 00	2,508 08		10,778 24			5,526 04		
Police	30,052 84		2,134 35		29,550 00			1,631 51		
Police Station Incidentals	3,404 00		303 37		3,100 00		63			
Property and Debt Balance		288,938 01		216,744 54						
Public Library	2,256 38		1,476 75			1,230 93			72,193 47	451 30
Public Park	28,725 25		1,392 21			14,937 37			12,395 67	
Public Property		1,514,597 66							1,514,597 66	
Public Park Betterment Assessments			678 81							678 81
Public Park Maintenance	3,222 24						3,222 24			
Reduction of Funded Debt		171,000 00			10,000 00					165,000 00
Real Estate Liens		10,306 14	1,929 47						8,976 67	
Salaries	18,849 54		749 54		18,100 00					
School Contingent	10,461 65		188 81		12,100 00					
School Teachers' Salaries	66,600 34				65,000 00		1,600 34			
School House Repairs	10,824 90		58 00	4,700 00	5,900 00		166 90			
School Fuel	3,987 75				5,000 00					1,012 25
Street Lights	8,150 79		300 38		9,000 00					1,149 59

Sewers	11,189 07	670 09	236 00	3,545 01	10,000 00	. . . . .	. . . . .	1,921 85	2,947 93	5,056 26
Sewer Assessments . . . . .	. . . . .	24,829 17	20,839 45	1,041 79	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	439 36
Sewers, (Beacon & Elm Street)	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Sewer	29,943 74	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Sidewalks	55 38	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Sidewalk Assessments . . . . .	. . . . .	22,696 19	19,642 44	589 04	. . . . .	. . . . .	35,000 00	. . . . .	. . . . .	. . . . .
Soldiers' Relief	704 51	. . . . .	60 00	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	2,464 71	. . . . .
Somerville Water Works	7,813 04	. . . . .	. . . . .	. . . . .	800 00	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
State Aid	4,254 12	. . . . .	1,628 55	. . . . .	. . . . .	. . . . .	10,000 00	. . . . .	. . . . .	4,883 49
Support of Poor	24,830 64	. . . . .	7,234 84	4,254 12	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
State of Massachusetts	27,792 00	. . . . .	. . . . .	2,393 75	14,000 00	. . . . .	. . . . .	1,202 05	. . . . .	. . . . .
State of Mass. — State Aid . . . . .	. . . . .	8,292 52	4,038 40	. . . . .	27,792 00	. . . . .	. . . . .	. . . . .	4,254 12	. . . . .
Sundry Persons	2,922 50	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Sinking Fund Contributions	45,130 62	. . . . .	. . . . .	11,738 78	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	8,816 28
Taxes	129 60	698,383 34	433,636 79	20,925 83	45,130 62	. . . . .	. . . . .	. . . . .	243,950 32	. . . . .
Temporary Loans	1,029,500 00	. . . . .	844,500 00	295,000 00	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	110,000 00
Water Maintenance	24,125 83	. . . . .	10,268 06	596 89	13,500 00	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Water Service Assessments . . . . .	. . . . .	4,739 91	3,364 30	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1,375 61	. . . . .
Water Services	2,435 17	596 89	58 15	2,973 91	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
\$1,798,953 73	\$5,541,729 05	\$1,790,281 85	\$4,635,777 19	\$504,475 24	\$39,158 50	\$371,000 00	\$29,331 75	\$42,371 74	\$2,106,000 67	\$2,106,000 67

RECAPITULATION.

DEBITS.

Disbursements \$1,798,953 73
Credits to other accounts 5,541,739 05

CREDITS.

Receipts \$1,790,281 85
Debits to other accounts 4,635,777 19
Taxes assessed in 1876 504,475 24
Unexpended balances, Dec. 31, 1875 39,158 50
Loans authorized in 1876 371,000 00

\$7,340,692 78

Table D.

RRCEIPTS DURING THE YEAR 1876.

Estate belonging to Owner unknown.

Received for tax title of land on Fountain Ave., sold for non-payment of assessment for filling,	\$220 24
--	----------

Fire Department.

Received of Tufts College Corporation, for Fire Alarm Telegraph box at college.	\$250 00	
J. R. Hopkins, amount received by him for horse sold,	88 32	
for manure sold,	52 00	
Quincy Mutual Fire Insurance Co., return premium on expired policy on George H. Foster Hose House,	36 00	
	<hr/>	426 32

Funded Debt.

Received from sale of bonds authorized by the City Council: —

Bonds Nos. 23 to 31 Water Loan,	70,000 00	
Bonds Nos. 175 to 334 City Loan,	226,000 00	
Bonds Nos. 1 to 7 Sewer Loan,	35,000 00	
	<hr/>	371,000 00

Highways.

Received of sundry persons, for earth sold them,	166 50	
N. H. Dow, for gravel,	40 00	
<i>Amounts carried forward,</i>	<hr/>	<hr/>
	\$206 50	\$371,646 56

<i>Amounts brought forward,</i>	\$206 50	\$371,646 56
Received of R. E. Nickerson, amount received by him for old iron sold,	30 79	
Rent of tenements on City Farm,	65 00	
Highways (Chauncey Ave.) account, for teaming,	1,097 00	
Highways (Concord Ave.) account, cost of constructing,	3,045 25	
Highways (Concord Ave.) account, for stone,	180 00	
Highways (Newton St.) account, cost of constructing,	953 50	
Highways (Glen St) account, cost of constructing,	151 80	
	<hr/>	5,729 84

Highways (Milk Street Widening).

Received of the County Commissioners amount allowed on account of the widening,	5,000 00	
S. C. Darling, amount received by him for land sold Jane Casey, being a part of an estate bought and not required for the widening,	25 00	
	<hr/>	5,025 00

Highways (Broadway Widening).

Received of S. C. Darling, amount received by him for land sold J. S. Brazillian, being a part of an estate bought and not required for the widening,	366 00	
<i>Amount carried forward,</i>	<hr/>	\$382,767 40

<i>Amount brought forward,</i>		\$382,767 40	
Highway Betterment Assessments.			
Assessed in 1873, uncollected Dec. 31,			
1875,	\$7,660 00		
Uncollected Dec. 30, 1876,	7,660 00		
Assessed in 1875, uncollected Dec. 30,			
1875,	60,407 05		
Abatements,	\$2,308 34		
Uncollected Dec. 30,			
1876,	42,629 84		
		44,938 18	
		15,468 87	
Assessed in 1876,		\$16,006 60	
Abatement,	\$58 86		
Uncollected Dec. 30,			
1876,	8,972 35		
		9,031 21	
		6,975 39	
Received for 1875,		15,468 87	
1876,		6,975 39	
			22,444 26
Incidentals.			
Received of the State Treasurer on			
Corporation Tax for 1875,	44 94		
1876,	2,885 19		
On Bank Tax for 1876,	4,679 09		
Premium on sale of city 5 per cent			
bonds,	2,320 31		
			9,929 53
<i>Amount carried forward,</i>			\$415,141 19

Amount brought forward,

\$415,141 19

Interest.

Received on deposits in banks,	\$1,692 59	
On taxes,	11,748 52	
On tax titles released,	39 78	
On betterments,	103 87	
On bonds issued, accrued interest, at time of disposal,	737 65	
Of W. H. Wright on overpayment on filling the Public Park,	48 30	
	<hr/>	14,370 71

Liquor Licenses.

Received of sundry persons for Liquor Licenses, granted :		
Third Class, 9 at \$50.00 each,	450 00	
Fourth Class, 7 at \$50.00 each,	350 00	
11 at \$75.00 each,	825 00	
Fifth Class, 2 at \$50.00 each,	100 00	
	<hr/>	1,725 00

Miscellaneous.

Received of an unknown person amount received by him from some per- son as money belonging to the city,	50 00	
Public Park maintenance account, cost of summer and tool houses,	956 00	
George A. Kimball, amount re- ceived by him for centennial trees on Central Hill land,	31 50	
Charles E. Gilman, amount re- ceived by him for marriage cer- tificates, and for recording mortgages, etc.,	501 90	
fees for licensing dogs,	138 00	
<i>Amounts carried forward,</i>	<hr/>	\$431,236 90

\$1,677 40

<i>Amounts brought forward,</i>	\$1,677 40	\$431,236 90
Received fees on real estate sold and advertised to be sold for non-payment of taxes and as- sessments,	740 80	
	<hr/>	2,418 20
Miscellaneous (Watering Streets).		
Received of sundry persons as their proportional part of the cost of watering streets,	2,073 83	
Miscellaneous account, abutters' half not collected,	434 25	
	<hr/>	2,508 08
Police.		
Received of Lebbeus Stetson, Clerk of the Court, Officers' Fees, etc.,		2,134 35
Police Station Incidentals.		
Received of the State Treasurer, for rent of Armory for 1875,	242 00	
For use of hall in Police Station building,	61 37	
	<hr/>	303 37
Public Library.		
Received of the County Treasurer, re- turn on Dog Licenses for 1875,	1,260 29	
Of the Librarian for Catalogues sold,	42 00	
Fines,	174 46	
	<hr/>	1,476 75
<i>Amount carried forward,</i>		<hr/> \$440,077 65

Amount brought forward,

\$440,077 65

Public Park.

Received of S. C. Darling, amount
received by him of W. H.
Wright, over-payment on con-
tract for filling,

\$1,335 85

For earth sold,

24 86

For lumber sold,

31 50

1,392 21**Public Park Betterment Assess-
ments.**

Assessed in 1876,

46,932 90

Uncollected Dec. 30, 1876,

46,254 09

Received,

678 81**Real Estate Liens.**

Tax-titles of property acquired by the
city during the year in conse-
quence of non-payment of taxes
and assessments,

10,306 14

Unredeemed Dec. 30, 1876,

8,976 67

Received for property released,

1,329 47**Salaries.**

Received of Sewers account, for labor of
engineer's assistants,

374 77

Highways account, for labor of en-
gineer's assistants,

374 77

749 54**School Contingent.**

Received for tuition of non-resident
pupils,

144 04

For use of rooms in school-houses,

27 00

For books furnished by the school
committee,

17 77

188 81*Amount carried forward,*

\$444,416 49

<i>Amount brought forward,</i>		\$444,416 49
School-house Repairs.		
Received for old stoves sold,		58 00
Street Lights.		
Received of sundry persons for lamp- posts located,		300 38
Sewers.		
Received of the city of Cambridge four ninths of labor and materials used on Milk Street sewer, under bridge,	\$37 34	
Bernard Carney, for privilege of entering sewer,	15 00	
J. F. Edmands, for privilege of en- tering sewer,	60 00	
Health Department account, cost of constructing cesspool in Ward Street,	61 15	
In South Street,	62 51	
	<hr/>	236 00
Sewer Assessments.		
Assessed in 1873, uncol- lected Dec. 31, 1875,	1,322 55	
Abatements, \$293 39		
Uncollected Dec. 30, 1876,	440 46	
	<hr/>	733 85
	<hr/>	588 70
Assessed in 1874,	1,218 53	
Abatement,	1,218 53	
	<hr/>	
<i>Amount carried forward,</i>		\$445,010 87

<i>Amount brought forward,</i>			\$445,010 87
Assessed in 1875, uncollected Dec.			
31, 1875,		\$19,961 61	
Abatements,	\$215 83		
Uncollected Dec. 30,			
1876,	636 68		
Credited in Real Es-			
tate Liens ac-			
count,	371 70		
	<hr/>	1,224 21	
		<hr/>	
		18,737 40	
		<hr/>	
Assessed in 1876,		3,545 01	
Abatements,	13 80		
Uncollected Dec. 30,			
1876,	2,017 86		
	<hr/>	2,031 66	
		<hr/>	
		1,513 35	
		<hr/>	
Received for 1873,		588 70	
1875,		18,737 40	
1876,		1,513 35	
		<hr/>	20,839 45
Sidewalk Assessments.			
Assessed in 1873, uncollected Dec. 31,			
1875,		208 55	
		<hr/>	
Assessed in 1874, uncollected Dec. 31,			
1875,		11,357 79	
Uncollected Dec. 30,			
1876,	512 16		
Credited in Real Es-			
tate Liens account,	589 04		
	<hr/>	1,101 20	
		<hr/>	
		10,256 59	
		<hr/>	
<i>Amount carried forward,</i>			\$465,850 32

<i>Amount brought forward,</i>		\$465,850 32
Assessed in 1875, uncollected Dec. 31,		
1875,	\$11,129 85	
Uncollected Dec. 30, 1876,	1,952 55	
	<hr/>	
	9,177 30	
	<hr/>	
Received for 1873,	208 55	
1874,	10,256 59	
1875,	9,177 30	
	<hr/>	
		19,642 44
Soldiers' Relief.		
Received for aid rendered.		60 00
Somerville Water Works.		
Received of the town of Everett, for		
water pipe,	501 95	
Arlington Water Works, for water		
pipe,	13 35	
Patent Water and Gas Pipe Co.,		
for repairs in 1875 on guaranteed		
pipe,	193 50	
Boston and Lowell Railroad Co.,		
cost of lowering pipe under		
culvert in Washington Street,	77 99	
Public Park account, for water		
gate, etc.,	193 57	
Highways account, for setting		
watering trough,	33 75	
Health Department account, for		
repairing pipe,	15 00	
Miscellaneous account, for stand		
pipes, etc.,	298 75	
for setting watering troughs,	78 54	
For old junk, etc. sold,	15 15	
For repairing pipe,	7 00	
	<hr/>	
<i>Amounts carried forward,</i>	\$1,428 55	\$485,552 76

<i>Amounts brought forward,</i>	\$1,428 55	\$485,552 76
Water Maintenance account, two months' salary of Superintendent, charged Water Works account when paid,	200 00	
	<hr/>	1,628 55
Support of Poor.		
Received for support of pauper in Charlestown Almshouse,	120 85	
For support of paupers : —		
Of State Treasurer,	425 89	
City of Boston,	1,620 15	
City of Cambridge,	951 48	
City of Gloucester,	51 67	
City of Chelsea,	87 60	
City of Lawrence,	33 25	
City of Lowell,	9 18	
Town of Abington,	127 96	
Town of Canton,	77 22	
Town of Draeut,	117 19	
Town of Marblehead,	40 52	
Town of Medford,	42 73	
Town of Melrose,	41 21	
Town of Natick,	54 82	
Town of Quincy,	10 00	
Town of Woburn,	138 41	
Town of Watertown,	17 00	
For board of paupers in Worcester Lunatic Asylum,	67 09	
Miscellaneous account, board of boys in Reform School,	39 42	
Overseers of the Poor, amount retained by them from labor payrolls on highways account, etc., by reason of aid furnished laborers by orders for sundries,	3,161 20	
	<hr/>	7,234 84
<i>Amount carried forward,</i>		<hr/> \$494,416 15

<i>Amount brought forward,</i>		\$494,416 15
State of Massachusetts (State Aid).		
Amount paid in 1875,	\$4,038 40	
1876,	4,254 12	
	<hr/>	
	8,292 52	
Receivable from the State Dec. 1, 1877,	4,254 12	
	<hr/>	
Received,		4,038 40
Taxes,		
Assessed in 1873, uncollected Dec. 31,		
1875,	3,172 40	
Abatements,	\$2,780 40	
Uncollected Dec. 30,		
1876,	384 00	
	<hr/>	
	3,164 40	
	<hr/>	
	8 00	
	<hr/>	
Assessed in 1874, uncollected Dec. 31,		
1875,	36,298 50	
Abatements,	3,800 15	
Uncollected Dec. 30,		
1876,	1,011 00	
Credited in Real Es-		
tate Liens account,	4,621 50	
	<hr/>	
	9,432 65	
	<hr/>	
	26,865 85	
	<hr/>	
Assessed in 1875, uncollected Dec. 31,		
1875	154,437 20	
Abatements,	1,670 30	
Uncollected Dec. 30,		
1876,	66,457 68	
	<hr/>	
	68,127 98	
	<hr/>	
	86,309 22	
	<hr/>	
<i>Amount carried forward,</i>		\$498,454 55

<i>Amount brought forward,</i>		\$498,454 55
Assessed in 1876 on \$26,573,400.00 valuation, at \$18.60 per thousand and on 5,105 polls, amount as per assessors' warrant,	\$504,475 24	
Abatements,	\$7,923 88	
Uncollected Dec. 30, 1876,	176,097 64	
	<hr/>	184,021 52
		<hr/>
		320,453 72
		<hr/>
Received for 1873,		8 00
1874,		26,865 85
1875,		86,309 22
1876,		320,453 72
		<hr/>
		433,636 79

Temporary Loans.

Amounts borrowed by authority of the
City Council on city notes, and
of the following named : —

Feb. 19. — Commissioners of the Sinking Funds of the City of Cambridge,	13,500 00	
March 21. — Brewster, Basset & Co.,	105,000 00	
April 1. — Boston Five Cents Sav- ings Bank,	50,000 00	
April 3. — Maverick National Bank,	25,000 00	
May 5. — Brewster, Basset & Co.	10,000 00	
May 27. — Warren Institution for Savings,	50,000 00	
June 1. — Boston Five Cents Sav- ings Bank,	100,000 00	
June 1. — Aaron Sargent, Trustee,	20,000 00	
<i>Amounts carried forward,</i>	<hr/>	<hr/>
	\$373,500 00	\$932,091 34

<i>Amounts brought forward,</i>	\$373,500 00	\$932,091 34
<i>Amounts borrowed. — Continued:</i>		
June 14. — Bunker Hill National Bank,	50,000 00	
July 1. — Boston Five Cents Savings Bank,	100,000 00	
July 1. — Charles Wilson,	5,000 00	
July 1. — Mrs. M. M. Runey,	2,000 00	
July 1. — Brewster, Basset & Co.	35,000 00	
Oct. 20. — Brewster, Basset & Co.	165,000 00	
Dec. 9. — Mrs. S. E. Fiske,	4,000 00	
Dec. 30. — Aaron Sargent and E. E. Adams, trustees,	5,000 00	
Dec. 30. — Aaron Sargent, trustee,	20,000 00	
Dec. 30. — Warren Institution for Savings,	50,000 00	
Dec. 30. — Brewster, Basset & Co.	30,000 00	
Dec. 30. — Charles Wilson,	5,000 00	
	<hr/>	844,500 00
<i>Water Maintenance.</i>		
<i>Received of the Mystic Water Board of Boston, return on water rates:—</i>		
For 1875, 30 per cent on \$2,391 61	717 48	
1876, 15 “ 20,000 00	3,000 00	
20 “ 10,000 00	2,000 00	
25 “ 10,000 00	2,500 00	
30 “ 6,835 25	2,050 58	
	<hr/>	10,268 06
<i>Water Service Assessments.</i>		
For 1873, uncollected Dec. 31, 1875,	\$111 11	
Uncollected Dec. 31, 1876,	51 50	
	<hr/>	59 61
	<hr/>	
For 1874, uncollected Dec. 31, 1875,	393 14	
Uncollected Dec. 31, 1876,	193 62	
	<hr/>	199 52
	<hr/>	
<i>Amount carried forward,</i>		\$1,786,859 40

<i>Amount brought forward</i>		\$1,786,859 40	
For 1875, uncollected Dec. 31, 1875,	\$1,261 75		
Uncollected Dec. 31, 1876,	311 41		
	<hr/>		
	950 34		
	<hr/>		
For 1876, as per certificates from the Superintendent of the Water Works,	2,973 91		
Uncollected Dec. 31, 1876,	819 08		
	<hr/>		
	2,154 83		
	<hr/>		
Received for 1873,	59 61		
1874,	199 52		
1875,	950 34		
1876,	2,154 83		
	<hr/>		
		3,364 30	
Water Services.			
Received of Miscellaneous account for labor and materials used on Cen- tral Hill land,	\$14 55		
For pipe, repairs, materials sold, etc.,	43 60		
	<hr/>		
		58 15	
		<hr/>	
Total receipts,		\$1,790,281 85	

Table E.

DISBURSEMENTS DURING THE YEAR 1876.

County of Middlesex.

Paid County Treasurer, county tax,	\$9,698 51
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Estate belonging to M. Doherty or
Owner unknown.

Paid Miscellaneous account for sum- mons, posting, poundage, record- ing, etc.,	38 10
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Fire Department.

Paid James R. Hopkins, Chief Engi- neer, salary,	\$600 00	
Four Assistant Engineers, sala- ries,	800 00	
Clerk of Engineers, salary,	50 00	
Steamer Engine Co.,	837 50	
John E. Wool Hose Co.,	766 67	
Winter Hill Hose Co.,	795 00	
George H. Foster Hose Co.,	773 75	
George O. Brastow Hose Co.,	780 25	
R. A. Vinal Hook and Ladder Co.,	1,609 58	
Steamer Engineer,	1,000 00	
Steamer Fireman,	780 00	
Seven Drivers,	5,460 00	
Substitute Drivers,	195 00	
W. S. & G. O. Wiley, for horse,	250 00	
City of Boston, water-rates for hydrants,	1,176 00	
Water-rates for buildings,	110 00	
Charles Williams, for telegraph supplies,	73 99	
<i>Amounts carried forward,</i>	<u>\$16,057 74</u>	<u>\$9,736 61</u>

<i>Amounts brought forward,</i>	\$16,057 74	\$9,736 61
Paid Walworth Manf'g. Co., for zinc,	101 25	
Farrar, Follett & Co., for wire,	28 35	
Gamewell & Co., for telegraph fixture,	4 50	
Merrill Bros., for vitriol,	40 50	
Stearns & George, for vitriol, etc.	86 25	
Union Glass Co., for battery jars,	19 58	
Hunneman & Co., repairs on apparatus,	565 69	
Cook, Rymes & Co., repairs on apparatus,	108 91	
Sundry bills, repairs on apparatus,	157 94	REC
Seward Dodge, blacksmithing,	190 77	
Sundry bills, for horseshoeing,	161 95	
Nathan Tufts & Son, for grain,	571 31	
J. F. Ham, for hay and straw,	380 80	
A. H. Dix, for hay and straw,	86 82	
Brine & Clark, for hay and straw,	322 86	
L. G. Burnham & Co., for hay,	188 04	
D. Brooks, for hay,	80 63	
Sundry bills, for harness-work,	136 44	
Sundry bills, for washing,	104 15	
Cambridge Gas Light Co., for gas,	259 66	
Charlestown Gas Co., for gas,	119 63	etc.
J. Boyd & Sons, for fire hats,	95 25	
H. A. Winship, for fire hat,	6 50	
C. Easter & Co., for fire hat,	5 50	
Thomas Hollis, for medicine, soap, etc.,	66 88	
H. R. Bishop & Co., for ladders,	21 60	
J. E. Farwell & Co., for printing,	52 75	
S. Walker & Co., for oil,	18 50	
H. P. Trask, for whips,	12 00	
B. B. David, for whips,	17 50	
<i>Amounts carried forward</i>	<u>\$20,070 25</u>	<u>\$9,736 61</u>

<i>Amounts brought forward,</i>	\$20,070 25	\$9,736 61
Paid Savage & Burnham, inspection of boilers,	12 00	
Out-of-town Engine Cos., for re- freshments,	80 00	
Sundry Insurance Cos., premiums of insurance,	221 25	
Brine & Clark, for fuel,	79 20	
L. G. Burnham & Co., for fuel,	365 11	
J. H. Pray, Sons & Co., for carpet- ing,	49 00	
J. S. Paine, for furniture,	42 00	
E. H. Brabrook, for chairs,	18 00	
Thomas Kemp, for lounge,	14 00	
Brintnall & Osgood, for window shades,	10 10	
L. C. Chase & Co., for blankets, etc.	38 85	
D. E. Owen & Co., for "hitch,"	12 00	
Murdock Parlor Grate Co., for stall-guards, etc.	19 80	
Bubier & Co., for stall-guards,	24 75	
N. Harding, for fire badges,	33 75	
S. D. Kelley, for plans,	15 00	
E. Clement & Co., for lumber,	37 23	
S. W. Fuller, for lumber,	36 00	
Page & Littlefield, for lumber,	12 05	
Cutter & Parker, for doors,	15 25	
Page & Littlefield, carpenter work,	440 03	
Albert Caswell, carpenter work,	168 45	
Elijah Walker, carpenter work,	58 50	
Sundry bills, for repair on buildings,	152 43	
James Driscoll, labor on drains,	14 25	
Public Park Betterment Assess- ment account, assessment on Winter Hill Hose House,	24 30	
<i>Amounts carried forward,</i>	<u>\$22,063 55</u>	<u>\$9,736 61</u>

<i>Amounts brought forward,</i>	\$22,063 55	\$9,736 61
Paid Sullivan & Co , plumbing,	14 69	
J. W. Drake, plumbing,	10 65	
T. W. Littlefield, plumbing,	21 23	
Boston Elastic Fabric Co., for hose,	19 00	
Stephen Sibley, for 500 ft. hose,	500 00	
Blake Hose Co., for 500 ft. hose,	600 00	
J. A. Merrifield, for stove-pipe, etc.	16 25	
J. E. Parsons, for hardware, etc.	59 69	
Charles Holmes & Son, hardware, etc.	14 12	
Sundry bills, for bedclothing,	34 49	
Sundry bills, for brooms, brushes, etc.	76 33	
Sundry bills, for hardware, express- ing, stationery, labor, etc.	183 65	
	<hr/>	23,613 65

Funded Debt.

Paid Sidewalk Bond No. 4,	10,000 00	
City Bonds Nos. 19, 20 to 30, and 45 to 48,	101,000 00	
Water Bonds, Nos. 14 and 15,	60,000 00	
	<hr/>	171,000 00

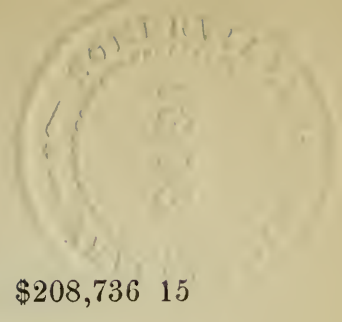
Health Department.

Paid C L. O'Neil, for removing house offal 6 months to June 26,	2,250 00	
Henry Gray, for removing house offal 6 months to Dec. 26,	900 00	
P. W. Skinner, services in small- pox cases,	171 50	
C. W. Learned & Co., for disin- fectant,	11 50	
<i>Amounts carried forward,</i>	\$3,333 00	\$204,350 26

<i>Amounts brought forward,</i>	\$20,070 25	\$9,736 61
Paid Savage & Burnham, inspection of boilers,	12 00	
Out-of-town Engine Cos., for re- freshments,	80 00	
Sundry Insurance Cos., premiums of insurance,	221 25	
Brine & Clark, for fuel,	79 20	
L. G. Burnham & Co., for fuel,	365 11	
J. H. Pray, Sons & Co., for carpet- ing,	49 00	
J. S. Paine, for furniture,	42 00	
E. H. Brabrook, for chairs,	18 00	
Thomas Kemp, for lounge,	14 00	
Brintnall & Osgood, for window shades,	10 10	
L. C. Chase & Co., for blankets, etc.	38 85	
D. E. Owen & Co., for "hitch,"	12 00	
Murdock Parlor Grate Co., for stall-guards, etc.	19 80	
Bubier & Co., for stall-guards,	24 75	
N. Harding, for fire badges,	33 75	
S. D. Kelley, for plans,	15 00	
E. Clement & Co., for lumber,	37 23	
S. W. Fuller, for lumber,	36 00	
Page & Littlefield, for lumber,	12 05	
Cutter & Parker, for doors,	15 25	
Page & Littlefield, carpenter work,	440 03	
Albert Caswell, carpenter work,	168 45	
Elijah Walker, carpenter work,	58 50	
Sundry bills, for repair on buildings,	152 43	
James Driscoll, labor on drains,	14 25	
Public Park Betterment Assess- ment account, assessment on Winter Hill Hose House,	24 30	
<i>Amounts carried forward,</i>	<hr/> \$22,063 55	<hr/> \$9,736 61

<i>Amounts brought forward,</i>	\$22,063 55	\$9,736 61
Paid Sullivan & Co , plumbing,	14 69	
J. W. Drake, plumbing,	10 65	
T. W. Littlefield, plumbing,	21 23	
Boston Elastic Fabric Co., for hose,	19 00	
Stephen Sibley, for 500 ft. hose,	500 00	
Blake Hose Co., for 500 ft. hose,	600 00	
J. A. Merrifield, for stove-pipe, etc.	16 25	
J. E. Parsons, for hardware, etc.	59 69	
Charles Holmes & Son, hardware, etc.	14 12	
Sundry bills, for bedclothing,	34 49	
Sundry bills, for brooms, brushes, etc.	76 33	
Sundry bills, for hardware, express- ing, stationery, labor, etc.	183 65	
	<hr/>	23,613 65
Funded Debt.		
Paid Sidewalk Bond No. 4,	10,000 00	
City Bonds Nos. 19, 20 to 30, and 45 to 48,	101,000 00	
Water Bonds, Nos. 14 and 15,	60,000 00	
	<hr/>	171,000 00
Health Department.		
Paid C L. O'Neil, for removing house offal 6 months to June 26,	2,250 00	
Henry Gray, for removing house offal 6 months to Dec. 26,	900 00	
P. W. Skinner, services in small- pox cases,	171 50	
C. W. Learned & Co., for disin- fectant,	11 50	
<i>Amounts carried forward,</i>	\$3,333 00	\$204,350 26

<i>Amounts brought forward,</i>	\$3,333 00	\$204,350 26
Paid M. C. Parkhurst, amount paid for burying dead animals,	11 00	
George McLaughlin, for groceries,	34 53	
Portland Stone Ware Co., for drain pipe,	127 55	
D. Brooks, mason work,	210 84	
F. Mongan, for laying drain,	78 01	
J. E. Farwell & Co., printing,	12 00	
B. Spooner, for printing and ad- vertising,	13 90	
Somerville Water Works account, damage to water-pipe,	15 00	
Sewers account, for constructing cesspools in Ward and Earle Streets,	123 66	
W. B. Munroe, for teaming ashes,	152 00	
John Hickey, teaming ashes,	72 00	
John Riley, teaming ashes,	20 00	
Timothy O'Brien, teaming ashes,	36 00	
Patrick Fay, labor in removal of ashes,	58 50	
James Skehan, labor in removal of ashes,	18 00	
Daniel Radley, teaming ashes,	48 00	
Sundry bills, for advertising, print- ing, carriage-hire, etc.,	21 90	
	<hr/>	4,385 89
Highways.		
Paid laborers,	20,695 07	
Laborers (from overseers of the poor),	9,488 00	
Laborers (from Committee on Sol- diers' Relief),	258 00	
C. L. Heywood, for gravel,	1,674 00	
<i>Amounts carried forward,</i>	<hr/> \$32,115 07	<hr/> \$208,736 15



<i>Amounts brought forward,</i>	\$32,115 07	\$208,736 15
Paid Jesse Simpson, for gravel,	237 00	
Samuel Walcott, “	44 80	
Jeremiah McCarty, for stone,	129 60	
F. W. Mead, “	1,170 00	
Boston & Maine R. R. Co., for transportation of gravel,	5,885 51	
Fitchburg R. R. Co., for transpor- tation of gravel,	154 94	
W. A. Sanborn, for brick,	14 50	
L. Winch, “	38 50	
D. Gore & Son, for paving blocks,	211 96	
J. W. Kidney, for edgestones,	8 40	
Samuel Walcott, for filling mate- rial on Mystic Avenue,	269 50	
A. H. Dix, for drain-pipe,	7 79	
Owen Cunningham, for teaming,	260 00	
John Carr, “	72 00	
J. McCarroll, “	294 00	
F. Buttemer, “	182 00	
C. Burke, “	240 00	
James Fitzpatrick, “	180 00	
John Welch, “	132 00	
Jeremiah McCarty, “	112 00	
Dennis Murray, “	60 00	
Martin Gill, “	250 00	
Patrick Farrell, “	184 00	
John McKenna, “	134 00	
John Riley, “	162 00	
Abigail O'Brien, “	155 00	
Elizabeth Skehan, “	324 50	
John Hickey, “	775 00	
F. Mongan, “	509 50	
Henry Gray, “	905 50	
W. B. Munroe, “	280 00	
<i>Amounts carried forward,</i>	<hr/> \$45,499 07	<hr/> \$208,736 15

<i>Amounts brought forward,</i>	\$45,499 07	\$208,736 15
Paid Michael Norton, for teaming,	242 00	
D. Radley, “	112 00	
Thos. Tighe, “	174 00	
Mary Crimmins, “	172 00	
Margaret Aylward, “	78 00	
Mary Mahoney, “	76 00	
Seward Dodge, blacksmithing,	498 15	
M. Lynch, “	110 45	
T. McGrath, “	40 30	
Doty & Collins, “	14 75	
Timothy Brennan, sharpening tools,	30 50	
Cook, Rymes & Co., hammers, picks, etc.,	222 15	
J. Anthony, hammer handles,	70 00	
Parker & Gannett, shovels, etc.,	143 92	
Edward O'Brien, horseshoeing,	340 71	
J. Leland, repairing carts, etc.,	227 75	
Henry Gray, use of horse,	108 75	
G. H. Sampson, for powder,	291 50	
N. Tufts & Son, for grain,	1,398 24	
E. M. Marshall, for hay and straw,	324 93	
F. P. Ladd, “ “	43 62	
J. P. Ferry, for hay,	41 80	
W. M. Hadley, for coal, etc.,	52 27	
Frank Shute & Co., for bellows,	14 00	
J. Bartley & Co., for oil, etc.,	42 31	
Morse & Whyte, for gravel screens,	17 00	
Mark Leighton, for carpenter work,	153 87	
S. W. Fuller, for lumber,	39 71	
F. W. Hannaford, for harness work,	62 01	
N. L. Pennock, “ “	81 23	
A. B. McDonald, “ “	5 15	
<i>Amounts carried forward,</i>	\$50,728 14	\$208,736 15

<i>Amounts brought forward,</i>	\$50,728 14	\$208,736 15
Paid Town of Medford, half cost maintaining Middlesex Ave. in 1875,	191 65	
City of Boston, water rates at stables,	20 00	
F. Davis, for anvil and hammer,	10 00	
Stephen Adams, for brooms,	8 00	
C. H. Nichols, for axle-grease,	9 84	
Fire Association of Philadelphia, premium insurance on city stables,	120 00	
H. A. Carney, for trees,	77 00	
Doe & Hunnewell, for lumber,	16 91	
M. Eagan, for watering streets,	15 00	
Sargent & Adams, use of land for gravel dump,	100 00	
Heirs of Samuel Rand, for use of land,	10 00	
E. Barry, for mowing grass,	21 00	
J. A. Cummings & Co., printing,	15 50	
Hooper, Lewis & Co., for stationery,	13 95	
B. Spooner, advertising,	6 30	
Lewis Putnam, veterinary surgeon,	8 00	
H. W. Raymond, for hardware,	16 61	
Somerville Water Works account, setting watering trough,	33 75	
Town of Winchester, tax on gravel land,	9 43	
Town of Wakefield, tax on gravel land,	23 89	
Town of Waltham, tax on gravel land,	168 30	
Franklin Henderson, Superintendent of Streets,	1,350 00	
<i>Amounts carried forward,</i>	\$52,973 27	\$208,736 15

<i>Amount brought forward,</i>		\$273,606 92
Highways (Concord Avenue).		
Paid Highways account, cost of constructing from Prospect St. to Springfield St.		3,045 25
Highways (Concord Avenue).		
Paid laborers,	162 00	
Highways account, for stone used between Springfield St. and Leon St.	180 00	
Martin Gill, teaming,	16 00	
Owen Cunningham, teaming,	8 00	
Christopher Burke, “	8 00	
Michael Norton, “	8 00	
John Welch, “	12 00	
Henry Gray, “	8 00	
Thomas Tighe, “	12 00	
Abigail O'Brien, “	12 00	
James McCarroll, “	8 00	
Jeremiah McCarty, “	12 00	
Patrick Farrell, “	12 00	
Mary Mahoney, “	12 00	
Mary Crimmins, “	12 00	
	—————	482 00
Highways (Glen Street).		
Paid Highway account, cost of constructing from Flint St. to Oliver St.		151 80
Highways (Newton Street).		
Paid Highways account, cost of constructing,		953 50
Highways (Highland Avenue Widening).		
Paid Martin Moore, verdict of Court for land damages,	1 17	
<i>Amounts carried forward,</i>	\$1 17	\$278,239 47

<i>Amounts brought forward,</i>	\$1 17	\$278,239 47
aid costs of Court,	110 76	
Sundry persons, witness fees in Moore case,	40 80	
S. Richards, for raising Elizabeth Blackbird's house,	60 00	
George Blackbird, carpenter work on do.,	150 00	
Patrick Terry, mason work on do.,	170 00	
J. W. Drake, plumbing at do.,	10 55	
Francis Mongan, filling material at do.,	108 75	
	<hr/>	652 03
Highways (Middlesex Avenue).		
Paid County Treasurer, County Com- missioners' assessment for city's proportion of constructing bridge over Mystic River,		3,401 12
Highways (Milk Street Widening).		
Paid Patrick Terry, for land taken and for damages,	500 00	
Francis Mongan, for land taken and for damages,	150 00	
City of Cambridge, for filling at Miller's River,	319 70	
	<hr/>	969 70
Highways (Broadway Widening).		
Paid sundry persons, witness fees in "Holt" case,	17 60	
G. W. Colbath, for estimates in "Holt" case,	12 50	
G. W. Colbath, Jr., for estimates "Holt" case,	12 50	
George R. Kelso, expert in "Holt" case,	25 00	
	<hr/>	67 60
<i>Amount carried forward,</i>		<hr/> \$283,329 92

Amount brought forward,

\$283,329 92

Interest.

(On Funded Debt.)

Paid coupons of Sidewalk Loan Bonds,
Nos. 4 to 10 inclusive; Town
Loan Bonds, Nos. 1 and 3 to 8,
inclusive; School Loan Bonds,
Nos. 2 to 4, inclusive; and City
Loan Bonds, Nos. 1 to 17 and
19 to 187, inclusive; and Sewer
Loan Bonds, Nos. 1 to 7, inclu-
sive:—

\$140,000.00, 1 year at 7 per cent,	\$9,800 00
46,000.00, 6 months at 7 per cent,	1,610 00
891,000.00, 1 year at $6\frac{1}{2}$ per cent,	57,915 00
25,000.00, 6 months at $6\frac{1}{2}$ per cent,	812 50
115,000.00, 1 year at 6 per cent,	6,900 00
39,854.00, 1 year at $5\frac{1}{2}$ per cent,	2,192 00
61,000.00, 6 months at $5\frac{1}{2}$ per cent,	1,677 50
35,000.00, 6 months at 5 per cent,	875 00
	<hr/>
	\$81,782 00

Less on coupon, not for
full time,

\$49 00

Less coupons, not paid
(credited Sundry
Persons account
in Table C),

325 00

374 00

81,408 00

(On Temporary Loans.)

Paid Brewster, Basset & Co., on notes
for \$105,000.00, 11 days at $5\frac{1}{2}$
per cent,

176 46

Amounts carried forward,

\$176 46

\$283,329 92

<i>Amounts brought forward</i>	\$176 46	\$283,329 92
Paid Boston Five Cent Savings Bank, on note for \$50,000, 3 months 3 days at 5 per cent,	645 83	
Warren Institution for Savings, on note for \$50,000, 6 months at 5 per cent,	1,250 00	
Boston Five Cents Savings Bank, on note for \$100,000, 6 months at 5 per cent,	2,500 00	
Aaron Sargent, trustee, on note for \$20,000.00, 5 months and 1 day at 5 per cent,	419 44	
Bunker Hill Bank, on note for \$50,000.00, 6 months at 5 per cent,	1,250 00	
People's National Bank, on note for \$20,000.00, 6 months and 3 days at 5 per cent,	508 33	
Charles Wilson, on note for \$5,000.00, 6 months and 1 day at 5 per cent,	125 69	
Brewster, Bassett & Co., on note for \$10,000.00, 1 month and 26 days at $5\frac{1}{2}$ per cent,	85 56	
Commissioners of the Sinking Fund of the City of Cambridge, on note for \$13,500.00, 4 mos. and 12 days at 4 per cent,	198 00	
Warren Institution for Savings, on note for \$50,000.00, 6 months at 4 per cent,	1,000 00	
and 1 month and 3 days at $3\frac{1}{2}$ per cent,	160 42	
<i>Amounts carried forward,</i>	<hr/> \$8,319 73	<hr/> \$283,329 92

<i>Amounts brought forward,</i>	\$8,319 73	\$283,329 92
Paid Boston Five Cents Savings Bank, on note for \$50,000.00, 8 mos. at 5 per cent.	1,666 67	
on note for \$100,000.00, 6 mos. at 4 per cent,	2,000 00	
on note for \$100,000.00, 5 mos. at $3\frac{1}{2}$ per cent,	1,458 33	
Mrs. M. M. Runey, on note for \$2,000.00, 5 months at $3\frac{1}{2}$ per cent,	29 17	
Maverick National Bank, on note for \$25,000.00, 8 months and 3 days at 5 per cent,	843 75	
Bunker Hill National Bank, on note for \$50,000.00, 6 months and 3 days at 5 per cent,	1,016 67	
Aaron Sargent, trustee, on note for \$20,000.00, 6 months at 4 per cent,	400 00	
and 1 month at $3\frac{1}{2}$ per cent,	58 33	
Charles Wilson, on note for \$5,000.00, 5 months at 4 per cent,	83 33	
and 1 month at $3\frac{1}{2}$ per cent,	14 58	
Mrs. Sarah E. Fiske, on note for \$4,000.00, 21 days at $3\frac{1}{2}$ per cent,	8 16	
	<hr/> 15,898 72	
On Funded Debt,	81,408 00	
Temporary Loans,	15,898 72	
	<hr/>	97,306 72
 Liquor Licenses.		
Paid State Treasurer, one fourth of sum received for licenses,		431 25
<i>Amount carried forward,</i>		<hr/> \$381,067 89

Amount brought forward,

\$381,067 89

Miscellaneous.

Paid J. E. Farwell & Co , for printing

annual reports 1875,	\$687 50
Sundry bills, for printing,	389 38
Alfred Mudge & Son, for printing	
Municipal Register,	344 92
J. A. Cummings & Co., for printing,	282 00
Horace Partridge, for printing,	112 75
Berry & Bouvé, for printing,	16 50
George B. King, for printing,	118 40
H. W. Pitman, advertising,	3 00
Thomas Scott, “	75 00
J. O. Hayden, “	83 30
R. M. Pulsifer & Co. “	9 76
Bourne Spooner, “	220 49
advertising ordinances,	208 65
M. R. Warren, for stationery,	463 36
Ward & Gay, “	47 88
Cutter, Tower & Co., “	14 25
Hooper, Lewis & Co., “	72 35
H. T. Johnson & Co., “	6 00
City Engineer's Assistants, car	
fares,	31 80
Geo. A. Kimball, use of team as	
City Engineer,	200 00
Ward Officers,	136 00
J. C. Magoun, sealer of weights	
and measures,	100 00
C. A. Small, pound-keeper for	
1875 and 1876,	50 00
Cambridge Gas Light Co., for gas	
in City Hall,	458 73
Brine & Clark, for fuel,	31 50
L. G. Burnham & Co., for fuel,	193 90

Amounts carried forward,\$4,362 42 \$381,067 89

<i>Amounts brought forward,</i>	\$4,362 42	\$381,067 89
Paid Thomas Long, for carpenter work,	47 30	
T. W. Driscoll, " "	45 13	
Albert Caswell, " "	7 30	
Ingalls & Kendrickson, repairing heating apparatus,	3 23	
A. M. Sibley, mason work,	21 75	
S. J. Wood, repairing locks, etc.,	18 00	
H. W. Raymond, hardware, etc.,	19 97	
Howe & Flint, hardware, etc.,	16 95	
Chelmsford Foundry Co., for iron work at City Hall,	20 75	
G. W. Manning, painting flag- staffs,	52 00	
labor on staff,	21 00	
J. W. Spear, labor on flag-staffs,	12 00	
washing windows, etc.,	19 00	
labor,	8 15	
W. J. London, expressing,	27 25	
J. L. Taylor, carpenter work at City Hall,	660 89	
H. W. Kimball, sawing wood, and labor at City Hall,	61 65	
L. M. Maynard, for labor, manure, etc.,	67 50	
Horatio McBean, painting and glazing,	83 90	
Homer, Lane & Co., for cuspa- dores,	8 33	
Charles Holmes & Son, for brooms, brushes, etc.,	15 57	
Storage on stoves,	9 00	
City of Lowell, for board of tru- ants,	370 90	
State Reform School, for board of boys,	78 00	
<i>Amounts carried forward,</i>	<u>\$6,057 94</u>	<u>\$381,067 89</u>

Amounts brought forward,

\$6,057 94 \$381,067 89

Paid Support of Poor account, amount
paid from that account for board

of boys in State Reform School, 39 42

Patrick Rafferty, return of deaths, 69 25

H. B. Runey, " " 100 25

B. F. Wyeth, " " 2 50

Martin Binney, clerical services, 119 00

Douglas Frazar, extra compen-
sation as Auditor, 50 00

Janitors at ward meetings, 44 00

G. F. Morgan, for abstracts from
Middlesex deeds, to May 1, 214 85

Geo. I. Vincent, for abstracts from
Middlesex deeds from May 1, 133 33

Norton Bros., for funeral wreath,
etc. 25 00

Jairus Mann, maintenance of team
amount paid witness fees in sun-
dry cases, 54 20

amount paid for team for wit-
nesses, 4 00

watching, etc., at City Hall, 75 75

amount paid for washing, hard-
ware, etc., 63 46

M. J. Lincoln, for washing, 14 90

Sundry persons, for ringing bells,
17th of June and 4th of July, 33 00

Chelsea Brass Band, music, June
17, 82 00

Lynn Cornet Band, music, July 4, 50 00

J. H. McCarty, music, July 4, 180 00

999th Battery, for firing salutes, 100 00

A. L. Sanborn, carriage hire, July
4, 10 00

Amounts carried forward,

\$8,022 85 \$381,067 89

<i>Amounts brought forward,</i>	\$8,022 85	\$381,067 89
Paid B. M. Wedger, for fire-works,	90 00	
N. Harding, for goblets,	14 27	
John Flannigan, for building band-stands and staging for fire-works,	24 75	
J. Young and H. W. Kimball, services at fire works,	5 00	
D. F. Hulsman, for building band-stand,	15 00	
Caldwell & Odiorne, for flag-staff,	225 00	
Joseph Young, for building band-stand,	15 00	
Cyrus Carpenter & Co., for ventilator,	14 75	
Jesse Simpson, for release of tax-titles,	153 72	
Sundry persons, services as appraisers of estates,	60 00	
Thomas Cunningham, use of horse and carriage,	7 00	
Fairbanks, Brown & Co., for sealer's scale and weights,	62 00	
Burnham & Lowell, for bracket,	12 50	
N. Dennett, gas fixtures,	13 11	
E. B. Vreeland, clerical services on Park betterment assessments,	17 00	
T. M. Durell, clerical services on Park betterment assessments,	11 37	
County Commissioners, costs in case of Hadley for abatement on taxes,	100 00	
Dennis Mahoney, for damage to horse on highway,	50 00	
G. H. Royce, for serving notices,	3 90	
<i>Amounts carried forward,</i>	<hr/> \$8,917 22	<hr/> \$381,067 89

<i>Amounts brought forward,</i>	\$8,917 22	\$381,067 89
Paid L. L. Parker, for serving writs, etc.,	29 40	
North British and Mercantile Ins. Co., premium of insurance on City Hall,	26 40	
John Turner & Co., labor on boundary stone,	9 56	
B. F. Thompson, labor on bound- ary stone,	2 25	
R. M. Yale, for awnings,	25 00	
Asa Durgin, for ice,	43 30	
F. G. Williams, for registering births,	96 00	
J. H. Bufford's Sons, for printing bonds,	20 00	
Somerville Water Works account, for standpipes, etc., for street watering purposes,	298 75	
Wm. H. Brine, for serving war- rants, etc.,	35 00	
Martin for Gill, constructing drive- way in front of High School House,	757 72	
Hugh Carney, for trees in front of High School House,	91 00	
Water Services account, for water pipe at High School House,	14 55	
J. W. Kidney, for edgestones in front of High School House,	430 95	
John Turner, for granite work at High School House,	653 00	
Francis Mongan, for sodding, grading, etc., in front of High School House,	528 98	
<i>Amounts carried forward,</i>	<hr/> \$11,979 08	<hr/> \$381,067 89

<i>Amounts brought forward,</i>	\$11,979 08	\$381,067 89
Paid C. H. Dassance, for sign boards,	9 50	
A. J. Carter, for furniture,	25 00	
Flynn Bros., for chairs, etc.,	59 50	
F. G. Williams, for delivering and adjusting tax bills,	350 00	
Charles Robinson, court fees, etc.,	199 30	
S. C. Darling, court fees, etc.,	80 34	
paid for map of Somerville,	11 50	
City of Boston, water rates at City Hall,	50 00	
Charles Pierce, for gas-fixtures at City Hall,	118 35	
E. R. Morse, for moving safe,	6 00	
H. R. Taylor, for drawers for En- gineer's office,	118 00	
Post-Office, for postage stamps,	79 00	
Post 139, G. A. R., for memorial day,	300 00	
Daniel Pratt's Sons, for clock,	20 00	
A. L. Sanborn, carriage hire,	10 00	
W. Daly & Son, carriage hire,	12 00	
Webb & Stevens, for lamp,	9 35	
J. A. Porter, damage to horse on Newton St.,	37 50	
C. D. Eliot, sundry expenses as City Engineer,	27 90	
services of assistants in 1875 in excess of appropriation,	352 26	
G. W. Lawson, carpenter work,	32 45	
Fire Association of Philadelphia, premium of insurance on old Po- lice Station,	17 50	
A. E. Mann, substitute for City Messenger,	12 00	
<i>Amounts carried forward,</i>	\$13,916 53	\$381,067 89

<i>Amounts brought forward,</i>	\$13,916 53	\$381,067 89
Paid L. A. Dimond, newspaper sub- scription,	9 00	
G. H. Buxton, carriage hire,	5 00	
Public Park Betterment Assess- ment account, assessment on City Ledge on Bond St ,	159 01	
Boston Belting Co., for hose,	17 20	
A. L. Lovejoy, damage by defect in highway,	14 50	
John H. Kenneson, damage from collision with tree in highway,	200 00	
E. H. Darling, for taking affidavits in bankrupt cases,	7 25	
C. B. Morton, for wire screens,	5 00	
Somerville Water Works ac- count, labor on watering trough and drinking fountain,	78 54	
John Wilson, services with assess- ors,	16 50	
Aaron Sargent, salary as treas. of Commissioners of Sinking Fund,	150 00	
John P. Healey, legal services,	35 00	
costs in lawsuit,	57 61	
Daily Advertiser, advertising,	7 00	
Sundry persons, serving notices,	8 00	
Frost & Adams, for tracing cloth, etc.,	31 75	
Miscellaneous Watering Streets account, city's proportion of watering in certain streets,	434 25	
Putnam, Wiggin and Upton, for poultry for Christmas,	125 17	
Sturtevant Bros., for poultry for Christmas,	27 50	
<i>Amounts carried forward,</i>	<u>\$15,304 81</u>	<u>\$381,067 89</u>

<i>Amounts brought forward,</i>	\$15,304 81	\$381,067 89
Paid sundry persons, for expressing, labor, oil, matches, etc.,	41 97	
E. H. Brabrook, for desks,	170 00	
	<hr/>	15,516 78
Miscellaneous (Watering Streets).		
Paid Michael Eagan, for watering,	4,490 16	
City of Boston, for water,	500 00	
Sundry bills, for advertising, etc.,	17 00	
	<hr/>	5,007 16
Police.		
Paid M. C. Parkhurst, Chief,	1,500 00	
R. R. Perry, Captain,	1,200 00	
J. B. Alden, Lieutenant,	200 00	
Samuel R. Dow, Sergeant and Lieutenant,	1,091 72	
C. C. Folsom, patrolman and Ser- geant,	1,039 23	
S. A. Brown, patrolman,	1,006 50	
Geo. W. Bean, “	1,006 50	
C. D. Clark, “	1,006 50	
N. F. Caswell, “	998 25	
J. E. Coolidge, “	216 00	
J. G. Cunningham, “	1,006 50	
Isaac S. Campbell, “	781 00	
C. C. Cavanaugh, “	1,002 38	
Geo. Cullis, “	987 25	
Albert Fisk, “	759 50	
J. E. Fuller, “	1,006 50	
John Hafford, “	998 25	
M. H. Kinsley, “	1,006 50	
Ivan Loughton, “	1,003 75	
Howard Lowell, “	286 00	
John H. McGarr, “	921 25	
	<hr/>	
<i>Amounts carried forward,</i>	\$19,023 58	\$401,591 83

<i>Amounts brought forward,</i>	\$19,023 58	\$401,591 83
Paid Edward McGarr, patrolman,	1,006 50	
J. W. Oliver, “	1,006 50	
S. C. Rollins, “	1,001 00	
F. W. Slade, “	1,006 50	
P. W. Skinner, “	882 75	
A. L. Staples, “	1,003 75	
Rufus Shute, “	671 00	
L. H. Snow, “	1,006 50	
O. H. Webber, “	992 75	
S. H. Whitcomb, “	1,006 50	
D. H. Rinn, “ (special),	241 00	
B. F. Sheridan, “ “	377 00	
G. W. Bulfinch, “ “	93 00	
Daniel Smith, “ “	96 00	
Chas. Muhlich, “ “	10 00	
M. C. Parkhurst, lock-up keeper,	200 00	
J. J. Giles, for washing,	47 22	
Asa Durgin, for ice, 1875 and 1876,	60 00	
H. A. Winship, for billies,	28 00	
Scovill Manuf. Co., for buttons,	13 50	
Cutter, Tower & Co., for stationery,	9 74	
Union Glass Co., for lanterns,	15 00	
L. H. Brown, for carriage hire,	22 50	
C. M. Blake, for newspapers,	11 25	
L. A. Dimond, “	7 60	
G. H. Cowdin, for drugs, alcohol, etc.,	17 43	
M. C. Parkhurst, amount paid ad- vertising,	6 00	
R. R. Perry, for travelling expenses,	10 80	
James Bartley, for crackers, cheese, etc.,	124 84	
Sturtevant Bros., cheese, soap, etc., carriage hire,	27 42 14 00	
<i>Amounts carried forward,</i>	<hr/> \$30,039 63	<hr/> \$401,591 83

<i>Amounts brought forward,</i>	\$30,039 63	\$401,591 83
Paid G. H. Buxton, carriage hire,	3 00	
Sundry persons, for printing, medical services, expressing, etc.,	10 21	
	<hr/>	30,052 84
Police Station Incidentals.		
Paid J. J. Giles, janitor,	900 00	
Cambridge Gas Light Co., gas bills,	1,016 70	
in old police station in 1875,	72 80	
Brine & Clark, for fuel,	214 50	
L. G. Burnham & Co., for fuel,	173 40	
E. H. Brabrook, for furniture,	180 00	
J. J. Giles, for paint, oil, etc.	25 62	
for washing, cleaning, etc.,	40 30	
for labor,	7 84	
substitute janitor during vacation,	10 00	
M. C. Parkhurst, for manure,	7 00	
Sidewalk Assessment account,		
sidewalk on Bow St.,	136 88	
R. Hollings & Co., for chandelier,	48 00	
N. Dennett, for gas-fixtures, plumbing, etc.,	67 99	
Mystic Water Board, water rates,	41 00	
Mark Leighton, for witness stand,	14 00	
Albert Caswell, for carpenter work,	84 39	
Leonard Arnold, " "	54 60	
D. Brooks & Co., mason work,	17 37	
Edward Cahill, "	40 00	
Watson & Bisbee, for balusters, etc.,	40 00	
Flynn Bros., for padding and repairing cells,	25 00	
M. W. Pierce & Co., gas-fixtures,	11 45	
<i>Amounts carried forward,</i>	<hr/> \$3,228 84	<hr/> \$431,644 67

Amounts brought forward,

\$3,223 84 \$431,644 67

Paid Chelmsford Foundry Co., for horse

posts, 15 00

Enoch Robinson, for keys, etc., 17 33

O. Newell, hanging bells, 4 00

James Gwynn, expressing, 10 50

J. H. Clough, register tops, 7 25

Hartford Steam Boiler Ins. Co.,

premium of insurance on boiler, 20 00

Seward Dodge, blacksmithing, 20 15

H. W. Raymond, hardware, etc., 13 04

Robert O. Dennett, for repairs, labor, etc., 50 91

James Bartley, for oil, matches, etc., 5 48

Howe & Flint, for repairing water cooler, 4 25

S. J. Wood, for repairing lock, 1 00

C. Holmes & Son, coal scoop, 1 50

D. Cutter, for cleaning clock, 2 00

Barker & Tibbetts, expressing, 1 50

F. A. Titus, examining drains, etc., 1 25

3,404 00

Public Library.

Paid Lockwood, Brooks & Co., for

books, 812 89

James Campbell, for books, 63 94

F. Leypoldt, for Library Journal, 5 00

J. S. Paine, for table, 55 20

G. B. Sargent, for stamp, 20 00

J. A. Cummings & Co., for printing, 202 75

H. V. Butler, for book, 7 50

H. A. Adams, librarian, 700 00

Lizzie Stevens, asst. librarian, 300 00

Amounts carried forward,

\$2,167 28 \$135,048 67

<i>Amounts brought forward,</i>	\$2,167 28	\$435,048 67
Paid E. G. Colman, asst. librarian,	39 45	
Herbert Maynard, asst. “	23 40	
W. J. London, expressing,	26 25	
	<hr/>	2,256 38

Public Park.

Paid Cape Ann Granite Co., for iron fence,	9,942 38	
Laborers,	2,344 05	
J. Breck & Sons, for tools and grass seed,	308 89	
Hermann Grundel, for laying out and grading,	600 00	
for trees, shrubbery, etc.,	386 30	
M. M. Fuller, for trees,	338 00	
Seman Klous, for loam and sods,	689 06	
Jeremiah McCarty, for loam,	993 08	
Martin Gill, “	160 95	
Daniel Radley, “	14 80	
John Carr, “	14 06	
Charles Booth, “	94 72	
Mrs. N. Baldwin, “	22 20	
Mrs. A. O'Brien, “	68 82	
Mrs. Mary Crimmins, “	106 93	
J. P. Prichard, “	124 32	
Henry Gray, “	57 72	
E. M. Marshall, “	68 82	
John Downey, “	86 95	
John Madden, “	42 55	
Jere Murphy, “	15 91	
J. P. Prichard, for earth,	66 25	
Mrs. A. O'Brien, for teaming,	148 62	
Martin Gill, “	264 50	
Jeremiah McCarty, “	216 50	
Jeremiah McCarty, for stone,	163 20	
	<hr/>	
<i>Amounts carried forward,</i>	\$17,339 58	\$437,305 05

<i>Amounts brought forward,</i>	\$17,339 58	\$437,305 05
Paid Henry Gray, for stone,	336 00	
Boston and Maine Railroad Co., freight on gravel,	699 05	
Jeremiah McCarty, for earth,	70 00	
Calvin Horton, boring for water,	22 75	
Braman, Dow & Co., fitting fountain, etc.,	12 17	
Somerville Water Works account, for water gate, labor, etc.,	193 57	
Chelmsford Foundry Co., for settees, etc.,	75 60	
Doe & Hunnewell, for lumber,	16 89	
R. A. Melvin, for seats,	55 00	
H. M. Bird, for lamp posts,	171 00	
Charlestown Gas Co., lamp posts,	90 00	
Tufts Bros., for lanterns,	122 00	
D. Gould, for burners,	75 00	
J. H. Hollis, for painting posts,	6 80	
D. Brooks & Co., for iron posts, etc.,	8 00	
T. W. Littlefield, for water pots,	9 10	
J. Leland, for repairing roller,	3 50	
E. Bradbury, for printing,	5 00	
Journal Newspaper Co., advertising,	2 50	
Daily Advertiser, advertising,	2 00	
Mark Leighton, carpenter work,	23 80	
P. Harrington, sharpening tools,	3 10	
C. E. Edlefsen & Co., for broom,	87	
Thomas O'Conner, for estate taken,	1,700 00	
Edward A. Foster, for estate taken,	1,000 00	
Middlesex Registry, for recording deeds,	1 90	
<i>Amounts carried forward,</i>	<hr/> \$22,045 18	<hr/> \$437,305 05

<i>Amounts brought forward,</i>	\$22,045 18	\$437,305 05
Paid Taxes account, taxes on land taken,	120 45	
Sidewalk Assessment account, sidewalk on Broadway,	222 12	
Highway Betterment Assessment account, assessment on Winthrop Ave.,	3,070 00	
on Chauncey Ave.,	3,267 50	
	<hr/>	28,725 25

The cost of the Park to Dec. 31, 1875,	
as by the report for that year was,	\$185,062 63
Expended as above,	28,725 25
Total,	<hr/> 213,787 88
Less credit as in Table D,	1,392 21
Cost of Park,	<hr/> <hr/> 212,395 67

Public Park Maintenance.

Paid L. B. Angier, labor,	392 50	
M W. Murphy, labor,	392 50	
George Gerrior, “	128 24	
Michael Hicks, “	58 87	
Richard Falvey, “	13 50	
D. E. Lovering, resetting posts,	44 87	
John P. Prichard, manure, loam, etc.,	498 50	
for granite roller,	25 00	
“ labor,	48 00	
“ earth, etc.,	55 30	
M. W. Murphy, for garden roller, etc.,	7 20	
<i>Amounts carried forward,</i>	<hr/> \$1,664 48	<hr/> \$466,030 30

<i>Amounts brought forward,</i>	\$1,664 48	\$466,030 30
Paid Miscellaneous account, cost of summer and tool houses,	956 00	
Parker & Gannett, grass seed, tools, etc.,	127 13	
Parker & Gannett, for lawn mower,	19 80	
J. T. Glines, for mowing machine,	19 80	
H. M. Hutchins & Co., for paint- ing summer and tool houses,	86 68	
T. Murphy, for shrubs, etc.,	43 00	
Bishop & Bro., for ladder,	4 00	
L. G. Burnham & Co., for fuel,	13 68	
T. W. Littlefield, for oil tank,	25 00	
J. H. Clough, for plans and spe- cifications,	30 00	
D. E. Whiten, for tool handles,	17 50	
Gallishaw & Kennealy, for hand- cart, wheelbarrow and repair- ing tools,	85 45	
M. W. Murphy, for couplings, etc.,	5 45	
R. A. Melvin, for settees,	70 00	
C. E. Edlefsen & Co., for tools, etc.,	15 26	
Williams & Ashley, for naphtha,	9 00	
J. D. Gould, “	6 90	
Perham & Rollins, expressing,	5 45	
Chelmsford Foundry Co., repair- ing settees,	6 00	
Wadsworth Bros. & Howland, for alcohol,	2 83	
Doe & Hunnewell, sawing and planing lumber,	3 00	
G O. Burnham, for straw,	3 31	
Sundry persons, for matches, alco- hol, hardware, and drain-pipe,	2 52	
	<hr/>	3,222 24
<i>Amount carried forward,</i>		\$469,252 54

Amount brought forward,

\$469,252 54

Salaries.

Paid Austin Belknap, mayor,	\$1,000 00	
Charles E. Gilman, city clerk,	2,000 00	
Aaron Sargent, treasurer,	2,700 00	
Geo. A. Kimball, city engineer,	2,100 00	
S. C. Darling, city solicitor,	1,800 00	
Douglas Frazar, auditor,	250 00	
A. H. Carvill, city physician,	700 00	
Geo. I. Vincent, clerk to assess- ors,	1,200 00	
Jairus Mann, city messenger,	1,300 00	
Solomon Davis, clerk of common council,	350 00	
Thomas Cunningham, assessor,	700 00	
John C. Tenney, “	700 00	
F. G. Williams, “	700 00	
Geo. Smith, assistant assessor,	200 00	
A. J. Taylor, “	200 00	
Amiel Colman, “	200 00	
Silas H. Holland, “	200 00	
E. M. Blaisdell, assistant to city clerk,	500 00	
S. A. Miles, assistant to treasurer,	500 00	
Engineer's assistants,	1,549 54	
	<hr/>	18,849 54

School Contingent.

Paid Joshua H. Davis, salary as super- intendent of schools,	2,500 00	
E. A. Smith, truant officer,	1,000 00	
Janitors,	3,275 41	
City of Boston, water rates,	351 42	
Thomas Groom & Co., for pens, pencils, etc.,	206 25	
George B. King, for printing,	154 96	
	<hr/>	
<i>Amounts carried forward,</i>	\$7,488 04	\$488,102 08

<i>Amounts brought forward,</i>	\$7,488 04	\$488,102 08
Paid J. E. Farwell & Co., for printing,	15 00	
for printing reports,	111 65	
J. L. Hamnett, for books, etc.,	1,192 26	
George B. King, " "	517 21	
Crane & Perry & A. A. Perry,		
for books,	58 75	
R. S. Davis & Co., for books,	20 31	
George R. Bradford, "	13 12	
W. C. Clark, "	170 02	
L. A. Dimond, "	21 11	
F. E. Bottomly, "	48 07	
H. T. Johnson & Co., "	5 50	
J. W. C. Gilman & Co., "	3 24	
G. A. Southworth, for printing,	35 40	
J. A. Cummings & Co., "	7 00	
N. S. Dearborn, printing diplomas,	36 45	
W. N. Goddard, paper, etc.,	15 00	
Bourne Spooner, advertising,	5 00	
H. W. Pitman, "	3 00	
J. O. Hayden, "	9 75	
S. H. Hadley, tuning pianos,	10 00	
W. G. Shattuck, for inkstands,	17 65	
A. G. Whitcomb, "	17 40	
E. H. Lincoln, photographing,	60 00	
Wakefield Rattan Co., for mats,	23 89	
O. F. Howe, for dusters,	19 50	
Charles Holmes & Son, for labor		
on stoves, mats, dusters, etc.,	71 63	
Carpenter Bros., for brushes, etc.,	5 75	
Charlestown Gas Co., for gas,	93 89	
Cambridge Gas Light Co., for gas,	254 39	
S. R. Burke, expressing,	7 75	
Thorpe's Express, "	5 35	
Stilphen & Co., "	19 45	
<i>Amounts carried forward,</i>	<u>\$10,382 53</u>	<u>\$488,102 08</u>

<i>Amounts brought forward,</i>	\$10,382 53	\$488,102 08
Paid Sarah Monahan, for cleaning,	8 67	
J. K. Abbott, for use of Clarendon Hall,	10 00	
J M. Davidson, care of Morse Hall and labor,	17 00	
D. H. Rinn, light furnished in school-house,	10 50	
Cambridge Water Board, water rates in Union and Webster School Houses,	19 00	
J. W. Cook, for moving piano,	3 00	
Sundry persons, for labor, expressing, cleaning, etc.,	10 95	
	<hr/>	10,461 65

School Teachers' Salaries.

The salaries are as follows : —

Principal in High School,	2,400 00	
First Assistant in High School,	1,800 00	
One Assistant,	1,200 00	
Three Assistants, each,	1,000 00	
One Grammar School teacher,	2,000 00	
Four Grammar School teachers, each,	1,800 00	
Assistants in Grammar Schools, and teachers in the Primary Schools, each, from	375 to 700 00	
Music Teacher,	1,050 00	
Aggregate amount paid,		66,600 34

School House Repairs.

Paid Stevens & Scofield, for carpenter work,	564 35	
Mark Leighton, for carpenter work,	15 00	
John Flanagan, “	652 26	
<i>Amounts carried forward,</i>	<hr/>	<hr/>
	\$1,231 61	\$565,164 07

<i>Amounts brought forward,</i>	\$1,231 61	\$565,164 07
Paid J. E. Beath, for carpenter work,	102 67	
J. P. Ferry, “	3 09	
J. W. Spear, “	12 64	
E. M. Paul, “	62 85	
T. Driscoll, “	117 54	
J. L. Taylor, “	88 55	
G. T. Burnham & Co., “	519 18	
R. A. Melvin, “	484 72	
Thomas Long, “	312 39	
D. W. Crocker, “	23 10	
Samuel Perry, “	57 21	
Albert Caswell, “	28 00	
D. McLeod, “	20 50	
D. W. Robbins, “	36 49	
Daniel Brooks, mason work,	1,472 58	
Patrick Terry, “	107 40	
Edward Cahill, “	76 00	
A. M. Sibley, “	21 50	
C. H. Roberts, “	61 68	
R. O. Dennett, for whitewashing,	8 00	
Brine & Clark, for cement,	8 70	
Henry McElwin, for blackboards,	98 72	
J. A. Swasey, “	254 84	
J. L. Hammett, “	86 60	
Edward Earley, for slating and repairing roofs,	457 75	
M. W. Pierce & Co., for repairing heating apparatus,	374 42	
Charles Holmes & Son, for repair- ing heating apparatus,	451 93	
J. A. Merrifield, for repairing heating apparatus,	13 28	
W. L. Snow & Co., do.,	139 94	
C. H. Tufts, for painting and glazing,	87 08	
<i>Amounts carried forward,</i>	<hr/> \$6,820 96	<hr/> \$565,164 07

<i>Amounts brought forward,</i>	\$6,820 96	\$565,164 07
Paid O. P. Wiley, for painting and glazing,	39 85	
T. E. Wentworth & Co., “	7 50	
D. W. McDermott, “	45 37	
D. McDermott, “	92 20	
Hiram Tribble, “	2 83	
J. H. Hollis, “	262 22	
J. Franklin, “	24 00	
C. H. McKenna & Co., for gas fixtures,	103 25	
N. Dennett, for gas fixtures,	48 71	
J. W. Drake, “	1 50	
Cambridge Gas Light Co., piping,	12 83	
C. Sullivan, for plumbing,	25 50	
F. A. Titus, “	215 21	
Boston Belting Co., for hose,	34 40	
Water Service Assessment account, for service pipe,	34 39	
S. P. Taylor, for drain pipe,	48 36	
O. Nowell, for adjusting bells,	31 32	
E. H. Brabrook, for carpets, etc.,	69 15	
S. J. Wood, for repairing locks,	10 00	
Ward & Waldron, for paper hang- ings,	18 12	
A. G. Whitcomb, for desks, etc.,	504 32	
Hugh Carney, for trees,	94 50	
E. Mattoon, for heating valves,	12 50	
Charles Cooper, for ventilating pipe,	28 00	
E. Robinson, for keys,	2 75	
Daniel Pratt's Sons, for clock,	9 00	
E. S. Bailey, for repairing clocks,	15 50	
David Cutter, “	3 25	
C. P. Sharp, “	6 00	
Jasper Stone, “	3 50	
<i>Amounts carried forward,</i>	<hr/> \$8,626 99	<hr/> \$565,164 07

<i>Amounts brought forward,</i>	\$8,626 99	\$565,164 07
Paid G. W. Bartlett, for repairing clocks,	6 00	
Barker & Tibbetts, for ventilators, fire brick, and expressing,	45 50	
Thomas Goodhue, for expressing,	5 00	
Perham & Rollins, “	15 90	
Webb & Stevens, for lamp,	12 30	
Fletcher & Libby, for ladders, etc.,	9 15	
“ “ for hand hose carriage,	7 00	
James Gwynn, for expressing,	11 60	
Public Park Betterment Assessment account, assessment on Cross St.	52 87	
Highway Betterment Assessment account, assessment on Warren Avenue,	290 16	
Sundry Insurance Co.s' premiums on insurance on school-houses,	888 70	
J. E. Parsons, for dusters, brooms, etc.,	13 88	
D. E. Whitten, dusters, brooms, etc.,	8 71	
John E. Tuttle, “ “ “	16 45	
C. E. Edlefsen & Co., dusters, brooms, etc.,	19 17	
Packard & Burrill, dusters, brooms, etc.,	3 50	
Murphy, Leavens & Co., dusters, brooms, etc.,	30 26	
S. T. Littlefield, dusters, brooms, etc.,	1 66	
D. White & Son, dusters, brooms, etc.,	6 13	
Charles Tufts, for rent of Chapel, for school-room,	150 00	
<i>Amounts carried forward,</i>	<u>\$10,220 93</u>	<u>\$565,164 07</u>

<i>Amounts brought forward,</i>	\$10,220 93	\$555,164 07
Paid Daniel Swan, rent of rooms for school-rooms,	51 00	
West Boston Savings Bank, rent of rooms for school-rooms,	200 00	
Flynn Bros., for repairing furniture, etc.,	27 80	
Francis Gibbons, labor,	25 50	
William Davis, “	3 00	
Joseph Young, “	3 50	
B. F. Sheridan, “	26 50	
Rand & Byam, soap,	16 50	
D. H. Rinn, for cleaning, cutting grass, etc.,	17 50	
J. M. Coburn, labor,	11 25	
S. L. Pratt, carriage hire,	16 00	
H. W. Raymond, hardware,	3 77	
T. A. Goodhue, moving furniture,	10 50	
Sundry persons, for cleaning, labor, etc.,	23 15	
Russell & Fitch, for removing night soil,	168 00	
	<hr/>	10,824 90

School Fuel.

Paid Brine & Clark, for fuel,	600 90	
L. G. Burnham & Co., fuel,	3,348 96	
Edward Flanagan, for weighing,	29 52	
Bourne Spooner, for advertising,	8 37	
	<hr/>	3,987 75

Street Lights.

Paid Cambridge Gas Light Co., for gas,	2,388 44	
repairs, etc.,	16 70	
Charlestown Gas Co., for gas,	1,911 64	
for lamp posts and repairs,	145 58	
<i>Amounts carried forward,</i>	\$4,462 36	\$579,976 72

<i>Amounts brought forward,</i>	\$4,462 36	\$579,976 72
Paid Globe Gas Light Co., for lighting,	392 76	
Hugh Blackwell, “	2,714 60	
carting lanterns, labor, etc.,	81 50	
H. M. Bird, for lamp posts,	140 00	
Davis & Farnum Manufacturing		
Co., for lamp posts, .	20 00	
Tufts Bros., for lanterns, etc.,	153 90	
Howe & Flint, repairing lamps,	55 73	
J. D. Gould, for burners,	13 85	
T. F. McGann, “	3 80	
Wadsworth Bros., & Howland for		
alcohol,	22 42	
Williams & Ashley, for fluid, etc.,	11 13	
Samuel Walker & Co., “ “	9 65	
R. & W. Sherburne, for glass,	6 50	
Lambert Bros., for glass,	60	
Cutter & Parker, “	7 00	
Hills, Turner & Co., for glass,	44 89	
Seward Dodge, repairing lamp		
frames,	3 50	
Wm. R. Bradford, for castings,	1 10	
H. R. Bishop & Co., for ladder,	3 00	
Globe Gas Light Co , for signs,	2 50	
	<hr/>	8,150 79
Sewers.		
Paid laborers,	4,802 72	
Michael Collins, for constructing		
sewer in South and Earle St.		
balance,	632 80	
Maurice Terry, for constructing		
sewer in Pitman and Beach Sts.		
balance,	275 25	
Samuel Walcott, filling material		
on Winthrop Avenue,	330 50	
<i>Amounts carried forward,</i>	<hr/> \$6,041 27	<hr/> \$588,127 51

<i>Amounts brought forward,</i>	\$6,041 27	\$588,127 51
Paid George W. Wyatt, for brick,	1,150 60	
Massachusetts Brick Co., “	47 70	
W. S. Blanchard, for lumber,	74 26	
E. D. Sawyer & Co., “	10 93	
Brine & Clark, for cement,	351 83	
John Leland, for cesspool covers,	73 50	
Day, Collins & Co., for drain pipe,	344 59	
Charles Holmes & Son, for drain pipe, lanterns, etc.,	57 29	
Lewis & Willett, for drain pipe,	183 00	
H. Wellington & Co., for cement,	43 50	
Bray & Hayes, “	5 50	
Margaret Pepper, for sand,	77 05	
Joseph Breck & Co., for shovels, etc.,	62 09	
F. M. Burrows, for boring,	197 60	
L. Schorle, for pails,	14 00	
L. G. Burnham & Co., for fuel,	4 00	
Philip Eberle, for rubber boots,	13 50	
Seward Dodge, for sharpening tools, etc.,	49 39	
Cook, Rymes & Co., for sharpening tools, etc.,	36 48	
M. Lynch, for sharpening tools,	5 00	
George H. Sampson, for powder,	7 80	
Howe & Flint, for hardware,	6 30	
Charles Davis, for curbs,	550 50	
G. W. Ranlett, for cesspool stone,	7 90	
William R. Bradford, catch-basin covers, etc.,	183 49	
Estate of Samuel Littlefield, for brick,	82 73	
D. P. Green, for sewer grates,	34 82	
James Bartley, for oil, etc.,	8 66	
<i>Amounts carried forward,</i>	<hr/> \$9,725 28	<hr/> \$588,127 51

<i>Amounts brought forward,</i>	\$9,725 28	\$588,127 51
D. E. Lovering, for mason work,	25 42	
C. H. Coffin, labor on drain,	17 19	
T. W. Littlefield, for repairing pump,	4 75	
J. A. Cummings & Co., for printing,	6 00	
Horace Partridge, printing,	10 00	
J. E. Farwell & Co., “	23 00	
George B. King, “	2 75	
Bourne Spooner, for advertising,	14 40	
D. L. Neiss, for oil hogshead,	8 20	
Hinckley Bros. & Co., for oakum,	5 51	
George A. Kimball, for sand-bucket,	9 00	
E. F. Bowker, plan, etc., of outlet of Milk Street sewer,	30 69	
A. W. Berry, labor,	7 00	
F. Mongan, teaming,	16 50	
O. C. Hanson, “	20 00	
H. W. Raymond, hardware,	74	
S. J. Wood, filing saws,	75	
Salary account, labor of engineer's assistants,	374 77	
Albert Kenneson, superintendent,	53 81	
D. A. Sanborn, “	733 31	
For horse keeping,	100 00	
	<hr/>	11,189 07
Sewers (Beacon and Elm Street Sewer).		
Paid William Sullivan, contractor,	29,700 00	
F. M. Burrows, boring,	121 50	
Fitchburg Railroad Co., labor at crossing of sewer with road,	99 54	
Bourne Spooner, advertising,	7 70	
<i>Amounts carried forward,</i>	<hr/> \$29,928 74	<hr/> \$599,316 58

<i>Amounts brought forward,</i>	\$29,928 74	\$599,316 58
Paid Journal Newspaper Co., advertising,	7 00	
Daily Advertiser, “	8 00	
	<hr/>	29,943 74

Sidewalks.

Paid W. M. Hadley & Co., for cement,	8 00	
Patrick Rafferty, for edgestone,	21 33	
George A. Foster, for brick,	26 00	
	<hr/>	55 38

Soldiers' Relief.

Paid Brine & Clark, for fuel,	96 76	
L. G. Burnham & Co., for fuel,	83 25	
Philip Eberle, for boots and shoes,	12 00	
J. H. Brooks, for clothing,	9 00	
Sundry persons, for aid,	305 50	
Sturtevant Bros., for groceries, etc.	140 00	
Carpenter Bros., “ “	23 00	
J. F. Cole & Co., “ “	21 00	
James Bartley, “ “	11 00	
P. T. O'Brien, “ “	3 00	
	<hr/>	704 51

Somerville Water Works.

Paid laborers,	4,221 22	
H. Wellington & Co., for cement, etc.,	283 65	
J. A. Wellington & Co., for cem- ent, etc.,	291 80	
Boston Machine Co., for gates, hydrants, etc.,	569 08	
John H. Reed & Co., for iron,	388 72	
Farrar, Follett & Co., “	306 98	
Fuller, Dana & Fitz, “	22 05	
Geo. L. Clark, for hydrant,	46 00	
	<hr/>	
<i>Amounts carried forward,</i>	\$6,129 50	\$630,020 21

<i>Amounts brought forward,</i>	\$6,129 50	\$630,020 21
Paid H. B. Bigelow, for repairing hydrants,	106 80	
Morrill & Hooker, for stand posts, etc.,	76 00	
Sewell, Day & Co., for oakum,	46 49	
Brine & Clark, for cement,	165 40	
Margaret Pepper, for sand,	73 50	
Carpenter, Woodward & Morton, for lead,	14 25	
Sabin & Page, for duck, etc.,	11 95	
Pattee & Perkins, for hydrants, etc.,	57 00	
Seward Dodge, for blacksmithing,	32 74	
N. E. Linen Hose Manuf. Co., for hose,	33 75	
J. C. Story & Co., for oil, etc.,	42 74	
City of Boston, for pipe, etc., water rates,	140 25	
	11 00	
Paid A. J. Wilkinson & Co., for nails, steel, etc.,	7 45	
Benjamin Almy, car fares, stationery, etc.,	25 00	
W. Reed & Sons, for powder and fuse,	4 65	
Fire Association of Philadelphia, premium of insurance on stock, fixtures, etc.,	22 50	
J. A. Anderson & Co., for cloth,	6 97	
J. H. Brooks, “	4 84	
Union Glass Co., for lanterns,	12 24	
Geo H. Sampson, for powder,	3 55	
Walworth Manf'g Co., for pipe, valves, etc.,	58 64	
Braman, Dow & Co., for pipe,	4 05	
H. W. Raymond, for hardware, etc.,	21 88	
<i>Amounts carried forward,</i>	<hr/> \$7,113 14	<hr/> \$630,020 21

<i>Amounts brought forward,</i>	\$7,113 14	\$630,020 21
Paid E. L. White, medical attendance		
on laborer injured on the works,	10 00	
Michael Devine, for teaming,	10 50	
Franklin Hopkins, urinal,	3 25	
Cook, Rymes & Co., sharpening		
tools, etc.,	30 82	
J. F. Paul & Sons, for lumber,	26 73	
J. Q. Twombly, for oil, etc.,	7 98	
McCarty Bros., for clay,	12 00	
Patrick Kane, “	2 00	
Charles Holmes & Son, fire brick,	2 00	
Thomas Cunningham, for boiler,		
etc.,	29 57	
Wm. R. Bradford, for gate covers,	40 17	
Boston & Albany R. R. Co., freight		
on hydrant,	8 50	
Fitchburg R. R. Co., freight on		
hydrants,	1 96	
B. Almy, superintendent,	200 00	
J. Bartley, grain, etc.,	139 53	
C. Maguire, horseshoeing,	23 17	
Parker & Gannett, for shovels,	24 75	
Thomas Groom & Co., stationery,	6 70	
B. F. Tyler, for hay and straw,	57 01	
Chaffee & Cummings, charcoal,	5 50	
W. J. London, expressing,	9 25	
Sundry persons, cement, oil, la-		
bor, expressing, etc.,	11 43	
J. F. Ham, for hay,	37 08	
	<hr/>	7,813 04

State Aid.

Paid monthly pay-rolls, — amount	
charged to the State,	4,254 12
<i>Amount carried forward,</i>	<hr/> \$642,087 37

Amount brought forward,

\$642,087 37

Support of Poor.

Paid Brine & Clark, for fuel,	\$3,505 66	
L. G. Burnham & Co., for fuel,	974 82	
Sturtevant Bros., groceries and provisions,	3,959 36	
P. T. O'Brien, groceries and provisions,	2,564 65	
John F. Cole & Co., groceries and provisions,	580 00	
J. Harris & Co., groceries and provisions,	1,299 07	
Carpenter Bros., groceries and provisions,	943 08	
H. W. Crowell, groceries and provisions,	517 85	
H. W. Burgess, groceries and provisions,	58 00	
U. R. Penney & Co., groceries and provisions,	205 00	
Webster & Stevens, groceries and provisions,	636 00	
James Bartley, groceries and provisions,	185 93	
C. A. Small, groceries and provisions,	281 00	
George McLaughlin, groceries and provisions,	73 00	
Simon White, groceries and provisions,	100 00	
Trainor Bros., groceries and provisions,	562 05	
M. D. Dewire, groceries and provisions,	19 00	
<i>Amounts carried forward,</i>	<u>\$16,464 47</u>	<u>\$642,087 37</u>

<i>Amounts brought forward,</i>	\$16,464 47	\$642,087 37
Paid A. Cross & Son, groceries and provisions,	161 00	
B. Halloran, groceries and provisions,	42 00	
C. E. Edlefson & Co., groceries and provisions,	60 00	
Dorr, Loring & Co., groceries and provisions,	68 00	
J. H. Hanley, groceries and provisions,	36 00	
S. T. Littlefield & Co., for groceries and provisions,	10 00	
Henry McAvoy, for groceries and provisions,	46 00	
E. Drew, for groceries and provisions,	33 00	
I. H. Packard, " "	16 00	
Sundry persons, " "	54 50	
F. N. Lewis, for crackers,	36 11	
J. C. Davidson, for milk,	10 56	
H. K. Woodward, "	4 96	
John Monahan, "	3 36	
Philip Eberlee, boots and shoes,	888 23	
Dyer Bros., " "	61 75	
Smith & Cole, " "	4 60	
J. M. Adams, " "	128 55	
J. H. Brooks, clothing, etc.,	109 32	
J. W. Brine, " "	46 75	
J. P. Farnsworth, " "	2 25	
Excelsior Dry Goods Store, clothing, etc.,	17 57	
D. A. Sanborn, stove,	4 00	
J. J. Giles, for washing and food furnished,	40 82	
George B. King, stationery,	30 47	
<i>Amounts carried forward,</i>	<hr/> \$18,380 27	<hr/> \$642,087 37

<i>Amounts brought forward,</i>	\$18,380 27	\$642,087 37
Paid M. R. Warren, stationery,	8 03	
G. F. Ricker, “	2 70	
J. E. Farwell & Co., for stationery and printing,	46 75	
J. C. Davidson, clerical services,	56 00	
Brown & Alger, rent of rooms,	15 00	
Patrick Terry, “ “	4 00	
Catherine Sullivan, “ “	12 00	
Bridget Conlon, “ “	18 00	
Michael Carey, “ “	12 00	
Patrick Sheridan, “ “	28 00	
J. Delay, “ “	24 00	
B. McCarroll, “ “	78 00	
Bernard Hagan, “ “	108 00	
J. C. Row, “ “	96 00	
Mary McLaughlin, “ “	51 00	
Patrick Shea, “ “	56 00	
P. A. Cunningham, “ “	28 00	
J. Newhall, “ “	60 50	
Benjamin Tilton, “ “	12 00	
Thomas Tighe, “ “	9 00	
Patrick Rafferty, undertaker's ser- vices,	442 50	
H. B. Runey, undertaker's services,	88 50	
W. L. Lockhart, “ “	17 75	
Woodlawn Cemetery Corporation, for grave,	17 00	
J. Tinkham, for coffin,	10 00	
Ansel Lewis, transportation of paupers,	48 11	
City of Boston, support of paupers,	1,600 26	
Town of Ipswich, “ “	440 00	
City of Cambridge, “ “	353 48	
Town of Holliston, “ “	183 00	
<i>Amounts carried forward,</i>	<hr/> \$22,305 85	<hr/> \$642,087 37

<i>Amounts brought forward,</i>	\$22,305 85	\$642,087 37
Paid town of Canton, support of paupers,	106 15	
City of Lawrence, support of paupers,	74 00	
City of Chelsea, support of paupers,	29 10	
City of Taunton, support of paupers,	123 91	
Worcester Lunatic Hospital, support of paupers,	574 38	
City of Haverhill, support of paupers,	19 00	
State of Mass., support of paupers,	105 17	
Charles McMann, board of pauper,	28 28	
M. A. Terry, board of pauper,	1 00	
J. H. Hollis, " "	12 00	
C. S. Kimball, " "	7 00	
F. J. Tutien, " "	9 00	
Massachusetts General Hospital, board of Bernard O'Brien,	65 00	
Vermont Asylum, board of Bridget Bradburn,	187 00	
G. H. Cowdin, for medicine,	2 00	
O. C. Hanson, removing pauper,	2 00	
Philip Eberle, moving family to Maryland,	40 00	
Woodward, Gage & Co., for bedding,	5 00	
Flynn Bros., for bedstead and moving furniture,	19 00	
Howe & Flint, for rake,	80	
Horace Chapin, for medical services,	2 00	
<i>Amounts carried forward,</i>	<hr/> \$23,717 64	<hr/> \$642,087 73

<i>Amounts brought forward,</i>	\$23,717 64	\$642,087 37
Paid H. P. Hemenway, for medical services,	9 00	
W. W. Dow, for medical services,	4 00	
Thomas Cunningham, an overseer of the poor,	300 00	
Ansel Lewis, an overseer of the poor,	300 00	
Horace Chapin, an overseer of the poor,	300 00	
Horace Chapin, secretary of the Board,	200 00	
	<hr/>	24,830 64
State of Massachusetts.		
Paid State Treasurer, State tax,		27,792 00
Sundry Persons.		
Paid the following named amounts to their credit, Dec. 31, 1875: —		
C. L. O'Neil,	1,125 00	
Calvin Horton,	102 50	
B. W. Patten,	100 00	
Harrison, Beard & Co.,	200 00	
Interest coupons,	1,395 00	
	<hr/>	2,922 50
Sinking Fund Contributions.		
Paid Commissioners of the Sinking Fund,		45,130 62
Taxes.		
Paid heirs Wm. A. Russell, abatement awarded by the county commissioners on tax of 1875,		129 60
<i>Amount carried forward,</i>		<hr/> \$742,892 73

Amount brought forward,

\$742,892 73

Temporary Loans.

Paid as follows :—

April 1.—Brewster, Basset & Co, notes dated March 21, 1876,	\$105,000 00	
April 1. — Boston Five Cents Sav- ings Bank, note dated Dec. 29, 1875,	50,000 00	
May 27.—Warren Institution for Savings, note dated Nov. 27, 1875,	50,000 00	
June 1. — Boston Five Cents Sav- ings Bank, note dated Dec. 1, 1875,	100,000 00	
June 1.—Aaron Sargent, trustee, note dated Dec. 31, 1875,	20,000 00	
June 14.—Bunker Hill National Bank, note dated Dec. 14, 1875,	50,000 00	
June 21.—People's National Bank, note dated Dec. 18, 1875,	20,000 00	
July 1.—Charles Wilson, note dated Dec. 31, 1875,	5,000 00	
July 1.—Commissioners of the Sinking Fund, City of Cam- bridge, note dated Feb. 19, 1876,	13,500 00	
July 1.—Brewster, Basset & Co., note dated May 5, 1876,	10,000 00	
Aug. 11 and Sept. 23.—Brewster, Basset & Co., notes dated July 1, 1876,	35,000 00	
Dec. 1.—Boston Five Cents Sav- ings Bank, note dated April 1, 1876,	50,000 00	
Dec. 1. — Boston Five Cents Sav- ings Bank, note dated June 1, 1876,	100,000 00	
<i>Amounts carried forward,</i>	\$608,500 00	\$742,892 73

<i>Amounts brought forward,</i>	\$608,500 00	\$742,892 73
Paid Dec. 1. — Boston Five Cents Savings Bank, note dated July 1, 1876,	100,000 00	
Dec 1. — Maria M. Runey, note dated July 1, 1876,	2,000 00	
Dec. 6. — Maverick Nat. Bank, note dated April 3, 1876,	25,000 00	
Dec. 14 and 27. — Brewster, Basset & Co., notes dated Oct. 20, 1876,	165,000 00	
Dec. 16. — Bunker Hill National Bank, note dated June 14, 1876,	50,000 00	
Dec. 30. — Warren Institute for Savings, note dated May 27, 1876,	50,000 00	
Dec. 30. — Aaron Sargent, trustee, note dated June 1, 1876,	20,000 00	
Dec. 30. — Charles Wilson, note dated July 1, 1876,	5,000 00	
Dec. 30. — Mrs. S. E. Fisk, note dated Dec. 9, 1876,	4,000 00	
	<hr/>	1,029,500 00

Water Maintenance.

Paid interest coupons of Water Loan Bonds, Nos. 1 to 3, 6 to 28, and 30 and 31 : —

\$60,000, 6 months at 7 per cent,	2,100 00
235,000, 1 year at 6½ per cent,	15,275 00
20,000, 1 year, at 6 per cent,	1,200 00
65,500, 6 mos., at 5½ per cent,	1,801 25

20,376 25

Laborers, repairing pipe,	1,586 52
J. F. Paul & Sons, for lumber,	99 45

<i>Amounts carried forward,</i>	\$22,062 22	\$1,772,392 73
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<i>Amounts brought forward,</i>	\$22,062 22	\$1,772,392 73
Paid E. Clement & Co. for shingles,	5 49	
Sewell, Day & Co., for rope,	11 02	
Boston Machine Co., hydrant valves,	7 50	
Carpenter, Woodward & Morton, lead,	9 50	
Cook, Rymes & Co., sharpening tools,	6 40	
Union Glass Co., for lanterns,	5 25	
Chaffee & Cummings, for charcoal,	7 50	
C. H. North & Co., " salt,	4 55	
C. Maguire, horseshoeing,	15 30	
J. N. White, harness work,	25 00	
Enoch Emerson, repairing wagon,	29 00	
R. A. Vinal, clerk of the Water Board,	200 00	
E. A. Foster, for hay,	9 60	
S. L. Pratt, carriage hire,	1 50	
Andrew Monahan, compensation for injuries received from obstructing gate box,	500 00	
Patrick Farrell, teaming,	9 00	
J. Manning, "	3 00	
Michael Norton, "	14 00	
Benjamin Almy, ten months' salary as superintendent,	1,000 00	
Somerville Water Works account, two months' salary of superintendent,	200 00	
	<hr/>	24,125 83

Water Services.

Paid laborers,	799 42	
Thomas Cunningham, for pipe, etc.	433 32	
<i>Amounts carried forward,</i>	<hr/>	<hr/>
	\$1,232 74	\$1,796,518 56

Amounts brought forward, \$1,232 74 \$1,796,518 56

Paid Union Water Meter Co., for couplings, stopcocks, etc.,	732 25	
Hamblen & Matthews, for couplings, stopcocks, etc.	65 20	
George Woodward & Co., coup- ling, etc.,	7 79	
C. Sullivan & Co., plumbing,	105 84	
Boston Lead Co., for lead pipe,	56 01	
J. A. Merrifield, for soldering,	26 50	
A. J. Wilkinson, for padlocks,	20 18	
William R. Bradford, gate covers,	9 77	
J. A. Wellington & Co., cement,	24 00	
Aiken & Woodward, charcoal,	28 00	
Cook, Rymes & Co., sharpening tools,	6 70	
Walworth Manufacturing Co., pipe, etc.,	40 40	
Seward Dodge, blacksmithing,	11 30	
C. Maguire, horseshoeing,	13 40	
James Bartley, grain, etc.,	27 50	
Philip Eberle, rubber boots,	7 00	
J. A. Cummings & Co., printing,	5 00	
Parker & Gannett, shovels,	6 75	
B. F. Tyler, for hay,	7 08	
H. W. Raymond & Co., hardware,	52	
Worcester & Nashua R. R. Co., freight on castings,	90	
Boston & Albany R. R. Co., freight on castings,	34	
		2,435 17
Total disbursements,		\$1,798,953 73

REPORT

OF

COMMISSIONERS OF THE SINKING FUND

FOR

1876.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 29, 1877.

Accepted, and ordered to be printed with the City Reports for 1876.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 29, 1877.

Concurred in.

SOLOMON DAVIS, *Clerk.*

CITY OF SOMERVILLE.

IN BOARD OF COMMISSIONERS OF THE SINKING FUNDS,
Jan. 27, 1877.

To the Honorable, the Mayor, and the City Council of the City of Somerville.

GENTLEMEN, — The Commissioners of the Sinking Funds, required by an ordinance of the city to report to the City Council, annually, the amount and condition of the sinking funds and the income thereof, report that the amount received from the city treasury, as contribution for the year 1876, was \$45,130.62; that investment of the same has been made in Bonds of the City of Somerville, for the redemption of which sinking funds have been established, or which are secured by sinking funds, \$44,500.00, and by deposit in savings bank, \$630.62, and that no income has yet accrued to the credit of said funds.

Respectfully submitted.

NATHAN TUFTS,	}	<i>Commissioners.</i>
JOHN A. HUGHES,		
HENRY F. WOODS,		

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

CITY OF SOMERVILLE,

FOR THE

YEAR 1876.

CITY OF SOMERVILLE.

IN SCHOOL COMMITTEE, Dec. 29, 1876

The Superintendent submitted his Annual Report, which was read and unanimously accepted.

It was voted, that the committee adopt the report now submitted by the Superintendent of the Public Schools, and present it to their fellow-citizens as the Report of the School Committee for the year 1876.

J. H. DAVIS, *Secretary.*

IN BOARD OF MAYOR AND ALDERMEN, Feb 12, 1877.

The Report of the School Committee for the year 1876 was received and accepted, and the Committee on Printing were instructed to cause the same to be printed in the annual report.

Also that two hundred copies of the report be printed independent of the annual City Report.

Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Feb. 14, 1877.

Concurred.

SOLOMON DAVIS, *Clerk.*

SCHOOL COMMITTEE FOR 1876.

HON. AUSTIN BELKNAP, Mayor, *ex officio*.

STILLMAN H. LIBBY, President of Common Council, *ex officio*.

WARD ONE.

HENRY M. MOORE	Term expires Dec. 31, 1876.	
SANFORD HANSCOM, M. D.	“	“ 1877.
JOHN H. BUTLER	“	“ 1878.

WARD TWO.

DANIEL E. CHASE	Term expires Dec. 31, 1876.	
CHARLES S. LINCOLN	“	“ 1877.
MICHAEL F. FARRELL	“	“ 1878.

WARD THREE.

JOSEPH P. WILLIAMS	Term expires Dec. 31, 1876.	
HENRY F. SPENCER	“	“ 1877.
ALBION A. PERRY	“	“ 1878.

WARD FOUR.

PROF. BENJ. G. BROWN	Term expires Dec. 31, 1876.	
HORACE CHAPIN, M. D.	“	“ 1877.
COL. CHARLES F. KING	“	“ 1878.

Chairman,

HON. AUSTIN BELKNAP.

Secretary and Superintendent,

JOSHUA H. DAVIS.

SUBCOMMITTEES.

On High School	Messrs. BROWN, SPENCER, CHAPIN, LINCOLN, BUTLER.
On Schools in E. Somerville Dist.,	“ HANSCOM, MOORE, BUTLER.
On Schools in Prospect Hill Dist.,	“ CHASE, FARRELL, LINCOLN.
On Schools in Winter Hill Dist.,	“ SPENCER, WILLIAMS, PERRY.
On Schools in Spring Hill Dist.,	“ CHAPIN, KING, LIBBY.
On Schools in W. Somerville Dist.,	“ BROWN, KING, CHAPIN.
On evening Schools	“ MOORE, WILLIAMS, CHAPIN, FARRELL.
On Examination of Teachers . . .	“ LINCOLN, BUTLER, BROWN.
On Text-Books	“ BROWN, HANSCOM, KING.
On Repairs and School Furniture .	“ MOORE, CHASE, LIBBY, PERRY.
On School Supplies	“ SPENCER, PERRY.
On Fuel	“ FARRELL, WILLIAMS.
On Music	“ KING, HANSCOM, LINCOLN.
On Finance	“ SPENCER, CHASE.
On Heating Apparatus	“ CHAPIN, WILLIAMS.
On Drawing	“ HANSCOM, PERRY, LIBBY.

SCHOOL COMMITTEE FOR 1877.

HON. AUSTIN BELKNAP, Mayor, *ex officio*.

STILLMAN H. LIBBY, President of Common Council, *ex officio*.

WARD ONE.

SANFORD HANSCOM, M. D. . . .	Term expires Dec. 31, 1877.	
JOHN H. BUTLER	"	" 1878.
HENRY M. MOORE	"	" 1879.

WARD TWO.

CHAS. S. LINCOLN	Term expires Dec. 31, 1877.	
MICHAEL F. FARRELL	"	" 1878.
DANIEL E. CHASE	"	" 1879.

WARD THREE.

HENRY F. SPENCER	Term expires Dec. 31, 1877.	
HENRY F. WOOD	"	" 1878.
JOSEPH P. WILLIAMS	"	" 1879.

WARD FOUR.

HORACE CHAPIN, M. D.	Term expires Dec. 31, 1877.	
COL. CHARLES F. KING	"	" 1878.
WALTER W. COLBURN	"	" 1879.

Chairman,
HON AUSTIN BELKNAP.

Secretary and Superintendent,
JOSHUA H. DAVIS.

SUBCOMMITTEES.

On the High School	Messrs. SPENCER, CHAPIN, LINCOLN, BUTLER, KING.	
On Schools in E. Somerville Dist.,	" HANSCOM, MOORE, BUTLER.	
On Schools in Prospect Hill Dist.,	" CHASE, FARRELL, LINCOLN.	
On Schools in Winter Hill Dist.,	" WILLIAMS, SPENCER, WOODS.	
On Schools in Spring Hill Dist.,	" KING, CHAPIN, LIBBY.	
On Schools in W. Somerville Dist.,	" CHAPIN, KING, COLBURN.	
On Evening Schools	" FARRELL, WILLIAMS, CHAPIN, BUTLER.	
On Examination of Teachers . .	" LINCOLN, BUTLER, COLBURN.	
On Text-Books	" HANSCOM, CHAPIN, KING.	
On Repairs and School Furniture .	" MOORE, LIBBY, CHASE, WOOD.	
On School Supplies	" SPENCER, WOOD.	
On Fuel	" FARRELL, WILLIAMS.	
On Music	" KING, HANSCOM, LINCOLN.	
On Finance	" SPENCER, CHASE.	
On Heating Apparatus	" WILLIAMS, MOORE.	
On Drawing	" HANSCOM, LIBBY, COLBURN.	

HIGH SCHOOL.

THE High School has been a subject of much solicitude to the committee which has been selected to watch over its interests, not from any misgivings as to the quality of instruction given there, nor from a suspicion that a comparison with the High Schools of other cities of the Commonwealth would be unfavorable to our own, but because the demands made by many leaders in educational matters for more extended and varied courses of study in our higher public schools arouse expectations in the community which may not immediately be answered.

The purpose of the instruction given in the High School is two-fold: first, to give a large measure of intellectual culture and useful learning to those pupils whose school-days must end in this school; secondly, to give good preparation for college to those who desire it. That the first purpose is fully attained by the present prescribed course of study, we would by no means claim. For we are well aware that educators differ widely in their estimates of the relative importance of the different studies in the courses of instruction in High Schools. No one can complain that the course in our High School lacks variety. Literature, science, language, mathematics, history, philosophy, are all represented, and in no meagre quantities. We believe that no graduate of the school will ever regret having studied any of the required branches, but will only lament that he did not learn more of each.

The success of the College Preparatory Course is conspicuous. The committee has cheerfully indorsed all steps taken by the Principal in his endeavor to have the pupils who graduate in this course fully prepared for examination in all the studies required for admission to the college which makes the highest and most varied

demands. And the graduates of this school, at examination for admission to college, acquit themselves as well now as at any time in the past.

We are not indifferent to the sentiment which has been earnestly proclaimed by some influential citizens of the State, that preparation for college and higher education are not legitimate subjects of public expense ; but we decidedly dissent from it. We would rather protest against the withdrawal of these pupils from the High School. All the other members of the school, more especially those who are joined with them in some of the studies, are benefited in no small degree by having, as fellow students, those who are studying for a high and definite purpose. Besides, we have not lost faith in the wisdom of the fathers, who enacted that "when any town shall increase to the number of one hundred families, they shall set up a grammar school, the masters thereof being able to instruct youth so far as they may be fitted for the university."

The school has increased in numbers proportionately with the growth of the city, so that to-day it has two hundred and twenty-one pupils. At the beginning of the school year there were two hundred and twenty-two. This is a larger number than can be seated in the rooms of the Principal and the sub-master ; and a few have been seated in the recitation-rooms of the assistants.

The class which joined the school last September numbered eighty-six. Formerly, when classes had no more than sixty members, they were divided for recitation into two sections. Now they are divided into three, thus increasing the number of hours per week for recitation. Besides, the recent requirement of French for admission to Harvard College has added two hours per week to the number of recitations. As a result, every teacher is occupied in teaching every hour of the week. We believe that the Principal should have some hours each school-day to supervise the work done in all the class-rooms. This he cannot do unless he shall be relieved of some of his present work of instruction by the appointment of an additional assistant.

In our examinations of the classes, and occasional visits, we have always been impressed by the thorough knowledge of his subject as evinced in the intelligent instruction given by the Principal in what-

ever department he was teaching. But in some cases, when the sections of a class were under different teachers, while one section would be finely taught in a given branch, another would show marked deficiency. This was what we anticipated. We believe that no teacher can be equally qualified to teach all the branches in the High School Course, and that "Departmental Instruction" should be insisted on, so that each teacher should teach those studies, and those only, in which the Principal and Superintendent have satisfied themselves that he or she excels. And we trust that this method, which is already acquiesced in by all the teachers as to some of the studies, will at no distant day become the law of the school.

We cannot too highly commend the school, both for the large amount of good instruction, and the general decorum which shows a consciousness, especially on the part of the pupils in the upper classes, that it is their duty to comport themselves as young gentlemen and ladies; and we feel sure that the parents of the pupils, if they favored the school with frequent visits, would indorse this commendation.

BENJAMIN G. BROWN,

Chairman of the High School Committee.

SUPERINTENDENT'S REPORT.

To the School Committee of Somerville.

GENTLEMEN, — In compliance with a requirement of your regulations, the following report is respectfully submitted.

The year just closing has been one of general prosperity, as regards the educational interests of our city. In their leading features, the schools remain essentially the same, as time advances; but each succeeding year furnishes cheering evidence of substantial progress and decided improvement in methods and results.

It gives me pleasure to bear testimony to the industry and commendable deportment of pupils, and the general fidelity of teachers in the performance of their duties. With few exceptions, pleasant relations have existed between parents and teachers, and the consequent co-operation so essential to the highest efficiency has been secured.

With accustomed liberality, the City Council have made all required appropriations to meet the current expenses of the schools. The Committee on Public Property have responded promptly to the numerous and ever-recurring demands upon them. The school buildings, school furniture, and heating apparatus have received careful attention, and important and permanent improvements have been made in the Forster School-house and about the High School building.

By vote of the Board, at their meeting in February last, perspective views of the exterior of the High School building and the Luther V. Bell School-house, and of the hall and Principal's room in the High School building, were furnished for the Centennial Exposition at Philadelphia. These views have been returned, and will be retained in the buildings represented.

At the beginning of the school year in September, Greenleaf's series of arithmetics was substituted for Walton's, in the primary schools, and in the fifth and sixth classes of the grammar schools.

The course of study in Vocal Music has been revised during the

year, and a new impulse has been given to this interesting branch of instruction.

Albion A. Perry, Esq., a member of the School Board for Ward Three, tendered his resignation in consequence of the urgency of other duties. His resignation was accepted by the Board at their meeting in November.

In May last, a primary school was organized in Prospect Hill district; and in September, a grammar school was organized in West Somerville district. For the accommodation of the new primary school in Prospect Hill district, a room was vacated in Prospect Hill School-house by the removal of one of the grammar schools from that building to the hall on the corner of Washington and Prospect Streets, formerly known as Armory Hall. In West Somerville district, the new grammar school was accommodated by the transfer of the primary school from Lincoln School-house to a room in Clarendon Block.

Whole number of schools at the present time	.	79
High	. . . . .	1
Grammar	. . . . .	45
Primary	. . . . .	33

Seven teachers have resigned during the year, and nine have been elected to fill vacancies and for the new schools.

In March last, Samuel C. Hunt, Esq., resigned his position as Principal of the Luther V. Bell School, and was succeeded by Simeon C. Higgins, Esq. Mr. Hunt was first elected Principal of Prospect Hill School in May, 1866, which position he occupied until the completion of the Luther V. Bell School-house in 1874, when he was transferred to that building.

At the end of the school year in July, Horace P. Makechnie, Esq., resigned the position he had occupied as Principal of the Lincoln School, since January 1867, and was succeeded by Edward E. Bradbury, Esq.

We have to record the death of a highly esteemed teacher, — Miss Emeline A. Dane. Miss Dane graduated at our High School in 1872, and was elected teacher of the Harvard School in 1873,

which position she occupied until the time of her death, which occurred January 24th.

Whole number of teachers at the present time	. . .	88
Male teachers, 8 ; female teachers, 80.		
Number of teachers in the High School	. . .	6
Male teachers, 2 ; female teachers, 4.		
Number of teachers in the grammar schools,	. . .	48
Male teachers, 5 ; female teachers, 43.		
Number of teachers in the primary schools	. . .	33
One teacher of Vocal Music.		

SCHOOLS AND TEACHERS.

SCHOOLS.	TEACHERS.	SALARY.	FIRST ELECTED.
High	George L. Baxter	\$2,400	1867
	William S. Forrest... ..	1,800	1875
	Sarah W. Fox	1,200	1868
	Sarah L. Graves	1,000	1865
	Annette E. Long	1,000	1864
Forster	Julia A. Stetson	1,000	1873
	George R. Bradford	1,800	1864
	Lillian A. Washburn	650	1874
	Anna M. Snow	650	1866
	Frances M. Guptill	650	1869
	Edith C. Long	650	1868
	Helen E. Magoun	650	1868
	Martha H. Pennock	650	1873
	Ella F. Lears	650	1874
	Mary E. Wiggin	475	1875
Prescott	Gordon A. Southworth	2,000	1873
	Anna M. Bates	700	1874
	V. E. Hapgood	650	1876
	Harriet N. Sands	650	1864
	Kate A. Duncan	650	1874
	Frances L. Child	650	1867
	M. Ellen Eddy	650	1869
	Nancy W. Proctor	650	1869
	Catharine T. Brown	650	1868
	Clara Taylor	650	1871
	Georgette P. Hall	650	1874
	Fannie R. Morse	650	1873
	Mary A. Rice	650	1873
Edgerly	Augusta M. Cowles	700	1865
	Amelia I. Sears	650	1873
	Anna L. Prescott	650	1873
Tufts Street	Clara M. Bagley	650	1873
	H. V. Hathaway	650	1875
	Ada Cowles	575	1875

SCHOOLS AND TEACHERS. — *Continued.*

SCHOOLS.	TEACHERS.	SALARY.	FIRST ELECTED.
Luther V. Bell....	Simeon C. Higgins.....	\$1,800	1876
	Minnie H. Marden	650	1876
	Clara A. Battles	650	1874
	Lydia L. Gordon.....	650	1869
	Ellen M. Gooding	650	1868
	Caroline S. Plimpton.....	650	1859
	Abbie C. Hunt	650	1873
	Fannie A. Wilder.....	650	1874
	Lydia J. Page.....	650	1869
	Lizzie Appleton	575	1874
	Belle H. Grieves	650	1874
Prospect Hill	Augusta A. Roberts	700	1861
	Maria Miller	650	1870
	Hattie M. Sears	650	1875
	Ellen Ledyard	650	1874
	Ida A. Howe.....	575	1875
	Lillian F. Howe.....	650	1876
	Charlotte I. Houghton	475	1875
Brastow.....	Sarah E. Pennock	650	1871
	Annie W. Chickering.....	650	1874
Bennett	Helen Tincker	700	1872
	Adeline Sanderson	650	1871
	Mary B. Currier	575	1873
Jackson	Emma F. Schuh	575	1874
	Lizzie W. Shelton	700	1860
	Rebecca F. Woodberry.....	650	1863
	Mary L. Sanderson	475	1875
	Louise A. Brine	375	1876
Webster.....	Ada L. Sanborn	700	1869
	Annie L. Savage	650	1873
	Nora O'Leary	575	1874
Union	Isabella M. Prince	375	1876
Morse	William B. Allen	1,800	1869
	Nellie P. Nichols.....	650	1871
	Pauline S. Downes.....	650	1872
	Helen W. Chapin.....	650	1873
	Anna E. Sawyer	650	1873
Beech Street	Mary A. Haley.....	650	1868
	Marion Damon.....	650	1875
Spring Hill	Louisa M. Wilde.....	650	1873
Franklin	Jane E. Clark	700	1873
	Lizzie C. Howe	650	1868
	Emeline C. Ruggles	650	1876
	Hattie A. Hills	575	1874
Harvard.....	Annie E. Robinson.....	475	1876
Lincoln	Edward E. Bradbury.....	1,800	1876
	Jennie Colburn	650	1875
	Georgiana Cutter	650	1873
	Margaret D. Barter	475	1875
	Carrie L. Lacount	650	1875
Holland Street....	P. Jenette Teele	650	1870
Cedar Street.....	Alice Simpson	650	1872
	Lizzie J. Conwell.....	650	1873
Teacher of Music	S. H. O. Hadley	1,050	1868

PUPILS.

The whole number of persons in the city between five and fifteen years of age, on the first day of May last, as ascertained by the

Truant Officer, was	4,028
Ward One	1,340
Ward Two	1,400
Ward Three	633
Ward Four	655
Increase for the year	343

Whole number of pupils in all the schools in May last

4,021

Number over fifteen years of age 305

Whole number of pupils in all the schools in December

3,974

Boys 1,994

Girls 1,980

Number over fifteen years of age 306

Number of pupils in the High School 221

Boys 93

Girls 128

Number of pupils in the grammar schools 1,945

Boys 957

Girls 988

Number of pupils in the primary schools 1,808

Boys 944

Girls 864

The High School contained 5.562 per cent of all the pupils.

The grammar schools contained 48.943 per cent of all the pupils.

The primary schools contained 45.495 per cent of all the pupils.

Number of pupils in all the schools in December, 1872,	3,148
“ “ “ “ 1873,	3,381
“ “ “ “ 1874,	3,626
“ “ “ “ 1875,	3,708
“ “ “ “ 1876,	3,974
Whole number of pupils registered in all the schools during the year 1876	4,960

TABLE SHOWING THE NUMBER OF PUPILS IN EACH OF THE THIRTEEN CLASSES IN DECEMBER; THE AVERAGE AGE OF PUPILS IN EACH CLASS, THE PER CENT THAT THE NUMBER IN EACH CLASS IS OF THE WHOLE NUMBER, AND THE NUMBER OF CLASSES IN EACH GRADE.

SCHOOL.	Class.	Boys.	Girls.	Total.	Average Age.	Per Cent.	No. of Classes in each Grade.
High.....	First..	15	23	38	18 yrs. 0 mos.	.956	1
	Second	15	25	40	17 “ 2 “	1.007	1
	Third..	26	32	58	16 “ 4 “	1.459	1
	Fourth	37	48	85	15 “ 9 “	2.139	1
Grammar..	First..	55	71	126	14 “ 10 “	3.171	4
	Second	71	101	172	14 “ 0 “	4.328	4
	Third..	129	137	266	13 “ 4 “	6.693	7
	Fourth	210	201	411	12 “ 4 “	10.342	10
	Fifth..	229	208	437	11 “ 3 “	10.997	10
	Sixth.	263	270	533	10 “ 3 “	13.412	12
Primary..	First..	244	226	470	8 “ 5 “	11.827	8
	Second	264	252	516	7 “ 7 “	12.985	8
	Third..	436	386	822	6 “ 3 “	20.684	17
Total....	.....	1994	1980	3974	.....	100.000	84

PRIMARY SCHOOLS.

SCHOOLS.	TEACHERS.	Average whole number.	Average attendance.	Per cent of attendance.	Number of tardinesses.	Number of dismissals.
Forster	Martha H. Pennock ..	44.1	41.2	93.3	65	49
“	Ella F. Lears	44.5	40.7	91.3	110	18
“	Mary E. Wiggin	49.5	42.6	86.0	234	60
Prescott.....	Georgette P. Hall	54.2	51.6	95.2	28	35
“	Fannie R. Morse.....	55.7	51.9	93.2	33	18
“	Mary A. Rice	61.0	55.3	90.6	38	22
Edgerly	Anna L. Prescott.....	52.7	48.6	92.2	56	22
“	Clara M. Bagley	59.0	53.8	91.2	52	3
Tufts Street	Hannah V. Hathaway..	42.2	39.8	94.2	55	24
“	Ada Cowles	51.5	44.0	85.4	99	7
Luther V. Bell..	Lizzie Appleton	52.5	50.8	96.7	55	33
“ ..	Belle H. Grieves	61.1	55.4	90.6	61	13
Prospect Hill ..	Ida A. Howe	49.0	45.6	93.1	60	29
“ ..	Lillian F. Howe	54.9	49.1	89.4	72	43
* “ ..	Charlotte I. Houghton..	51.0	45.5	89.2	30	19
Brastow	Annie W. Chickering..	55.3	52.7	95.3	53	36
Bennett	Adeline Sanderson....	46.6	43.0	92.2	83	22
“	Mary B. Currier	51.0	46.5	91.2	42	31
“	Emma F. Schuh	50.6	46.7	92.2	47	11
Jackson	Rebecca F. Woodberry	45.4	43.4	95.6	100	63
“	Mary L. Sanderson....	50.2	47.7	95.0	92	10
“	Louise A. Brine	50.0	46.7	93.4	81	18
Webster.....	Annie L. Savage.....	53.5	51.0	95.3	59	32
“	Nora O'Leary	52.2	49.5	94.8	113	20
Union	Isabella M. Prince	52.1	46.3	88.8	179	18
Beech Street ..	Marion Damon.....	52.5	47.9	91.2	124	192
Spring Hill ...	Louisa M. Wilde.....	55.0	48.9	88.9	182	48
Franklin.....	Emeline C. Ruggles ..	51.9	47.9	92.1	68	18
“	Hattie A. Hills.....	44.7	39.6	88.6	83	20
Harvard	Annie E. Robinson....	51.4	46.3	90.1	41	12
Lincoln	Carrie L. Lacount	56.4	51.4	91.1	45	34
Holland Street..	P. Jenette Teele	31.8	28.9	90.9	82	26
Cedar Street	Alice Simpson	42.2	37.1	87.9	85	38
Total .....	.....	1675.7	1537.4	91.7	2607	1044

* Organized in May.

Number of primary schools	33
Average whole number of pupils for the year	1,675.7
Average attendance “ “	1,537.4
Per cent of attendance “ “	91.7
Number of tardinesses “ “	2,607
Number of dismissals “ “	1,044
Average number of pupils to a teacher	51
Number of pupils in the primary schools in December	1,808

Great importance is attached to the schools in this department. They contain forty-five per cent of all the pupils in our schools. The work performed in them is preparatory, — foundation work, — which, in consequence of its effect upon all that follows, is ever regarded as most important work. The children composing them are ingenuous, confiding, impressible, and easily moulded to the will of those in whom they have confidence, and consequently require skilful treatment. The quality of teaching in these elementary schools should be of the highest order. The impulse and direction that pupils receive during their connection with them will be manifest throughout their entire subsequent course.

Especially should teachers of primary schools be in full sympathy with their pupils. Sympathy, more than any other thing, is the special need of childhood. Children should ever feel that they have in their teacher a sympathizing friend whom they can approach with confidence at all times. The following general observation is pertinent: “Whenever we find ourselves losing sympathy with youthful hearts and pursuits, we may be sure that something is wrong with us, for it is not in the nature of the soul to grow old. It may grow in height and depth and breadth and power; but the passage of years can bring it no decay.” Teachers should witness with apprehension the first symptom of decline in their sympathy with their pupils, for it is an evidence that they are losing what must ever be regarded as an essential, fundamental element of success in their vocation.

As we advance in life and feel the pressure of its cares, we are sometimes inclined to inquire, “What is the cause that the former days were better than these?” and are disposed to regard

childhood as the happiest period of life. But such impressions are delusions which the remembrance of our own childhood soon dissipates. The susceptibilities of children are easily moved. They are capable of exquisite pleasure and of acute sorrow also. Goldsmith says, "The sports of childhood satisfy the child." But their sorrows often overwhelm them too. It has been said, "The sorrows of childhood are not sorrows of that complicated and perplexing nature which sit heavily on the heart in after years; but in relation to the little hearts that have to bear them, they are overwhelming for the time." Boyd says, "Let me say to every one who has it in his power directly or indirectly to do so, *do what you can to make children happy!* Seek to give that great enduring blessing, a happy youth! Whatever after-life may prove, let there be something bright to look back upon in the horizon of their early time."

One teacher in this department reports no case of corporal punishment during the year; one reports two cases; and another, who has had one of the largest schools of this grade, reports three cases only. Several teachers report small numbers; but in some of the schools we could wish that the numbers had been smaller. The impression is very general that, under proper management, corporal punishment is rarely a necessity. Before the infliction of punishment, it is always wise to deliberate. Deliberation, if it does not suggest a better way, will tend to moderate the severity and add to the effectiveness of the punishment; for it is not so much the weight of the blow that affects the recipient of it, as the manifest spirit and motive of the one who inflicts it. Children have a keen appreciation of justice, and their intuitions are rarely at fault.

GRAMMAR SCHOOLS.

SCHOOLS.	TEACHERS.	Average whole number.	Average attendance.	Per cent of attendance.	Number of tardinesses.	Number of dismissals.
Forster	George R. Bradford...	47.7	46.3	97.0	62	54
	Anna M. Snow	36.3	34.5	95.0	37	37
	Frances M. Guptill....	46.9	43.9	93.5	73	24
	Edith C. Long	34.6	32.2	92.9	55	49
	Helen E. Magoun	39.5	37.2	94.0	35	26
Prescott.....	Gordon A. Southworth	47.4	46.5	98.0	9	7
	V. Eunice Hapgood ..	48.5	46.9	96.7	10	29
	Harriet N. Sands	29.5	28.1	95.4	4	14
	Kate A. Duncan	32.7	31.2	95.3	9	27
	Frances L. Child... ..	36.1	34.6	95.9	11	27
	M. Ellen Eddy.....	37.9	35.7	94.1	11	56
	Nancy W. Proctor	44.5	42.7	95.9	8	28
	Catharine T. Brown ..	36.4	34.7	95.3	23	24
	Clara Taylor.....	46.7	44.8	95.8	13	33
Edgerly	Augusta M. Cowles....	41.8	40.1	95.9	46	36
	Amelia I. Sears	45.8	42.8	93.5	49	49
L. V. Bell	Simeon C. Higgins....	40.9	39.8	97.3	8	4
	Clara A. Battles	33.6	32.6	97.0	14	21
	Lydia L. Gordon.....	43.3	40.7	93.9	21	63
	Ellen M. Gooding	35.5	33.8	95.3	18	20
	Caroline S. Plimpton..	43.0	41.8	97.2	24	34
	Abbie C. Hunt	42.4	39.7	94.2	32	36
	Fannie A. Wilder	43.9	40.4	92.0	25	25
	Lydia J. Page	55.2	52.2	94.5	18	50
Prospect Hill ..	Augusta A. Roberts ..	42.3	40.7	96.3	77	49
	Hattie M. Sears	43.8	40.1	91.6	89	51
	Ellen Ledyard	45.5	42.5	93.3	71	24
	Maria Miller	41.8	38.9	93.0	70	57
Brastow.....	Sarah E. Pennock	40.3	38.5	95.6	81	72
Bennett	Helen Tincker	38.8	36.7	94.5	102	45
Jackson	Lizzie W. Shelton	38.8	36.7	94.6	84	43
Webster.....	Ada L. Sanborn.....	36.1	34.4	95.3	44	25
Morse.....	Wm. B. Allen.....	24.0	22.7	94.7	49	44
	Nellie P. Nichols.....	39.7	38.1	95.9	60	46
	Pauline S. Downes....	46.3	45.5	98.3	14	9
	Helen W. Chapin.....	41.3	37.3	90.4	125	73
	Anna E. Sawyer	39.0	36.8	94.2	86	61
Beech Street....	Mary A. Haley.....	45.4	43.2	95.3	92	81
Franklin	Jane E. Clark	39.5	36.6	92.6	65	129
	Lizzie C. Howe	34.5	32.5	94.2	63	53
Lincoln.....	Edward E. Bradbury..	36.6	33.5	91.7	103	67
	Jennie Colburn	45.4	41.3	90.8	62	59
	Georgiana Cutter	44.7	42.5	95.0	74	74
*	Margaret D. Barter....	44.9	42.4	96.4	44	35
Cedar Street....	Lizzie J. Conwell.....	31.1	29.2	94.0	29	9
Total.....	.....	1829.9	1733.3	94.7	2099	1879

* Organized in September.

Number of grammar schools	45
Average whole number of pupils for the year	1,829.9
Average attendance " "	1,733.3
Per cent of attendance " "	94.7
Number of tardinesses " "	2,099
Number of dismissals " "	1,879
Average number of pupils in each school	41
Number of pupils in the grammar schools in December	1,945

In the grammar schools, during this year, there have been 408 less tardinesses, 303 less dismissals, and 79 less punishments than during the preceding year. In one school there were only four tardinesses, and in another, only four dismissals, during the entire year.

At the close of the school year in July, one hundred and twenty-three pupils of the grammar schools received Certificates of Graduation.

At the Prescott School	39
" Luther V. Bell School	29
" Forster School	24
" Morse "	23
" Lincoln "	8

Of the graduates, 114 made application for admission to the High School; 101 passed a satisfactory examination; and 82 entered the school in September.

About two thirds of the graduates of the grammar schools enter the High School.

The following table shows the result of the monthly examinations, and of the examination for admission to the High School, of pupils from the several grammar schools who passed a satisfactory examination in July last.

No.	SCHOOL.	Average Age.	Monthly Examinations.	High School Examinations.	Average.	Arithmetic and Grammar.
39	Prescott....	15 yrs. 2 mos.	80.27	83.29	81.78	80.74
29	L. V. Bell ..	15 " 3 "	74.54	78.29	76.41	75.81
24	Forster	15 " 5 "	76.59	75.93	76.26	70.80
23	Morse	14 " 7 "	81.89	77.15	79.52	74.83
8	Lincoln	15 " 2 "	82.51	77.14	79.82	75.00
123	Average	15 " 2 "	78.82	79.50	79.16	76.45

HIGH SCHOOL.

Whole number of pupils during the year	301
Largest number at one time	226
Number admitted during the year	91
Number graduated	34
Whole number at the present time	221
Number at the present time over 15 years of age	173
Number in course preparatory to college	54

In the first class	9
“ second class	14
“ third “	22
“ fourth “	9

Number pursuing the regular course	112
“ “ “ English “	55
Average whole number for the year	206
Average attendance “ “	201.7
Per cent of attendance “ “	97.9
Number of tardinesses “ “	115

Number of dismissals for the year	282
Number of the first class on entering the school	83
Present number	38
Number of the second class on entering the school	72
Present number	40
Number of the third class on entering the school	81
Present number	58
Number of the fourth class on entering the school	86
Present number	85

GRADUATED JULY 3.

Lillian Eliza Bagley.	Catherine Marie Shannon.
Ella Jane Davis.	Carrie Maria Sibley.
Mary Jane Delano.	Emma Alice Steele.
Hattie Eleanor Dodge.	Cora Leishman Tyler.
Nellie Frances Furber.	Thomas Moulton Durell.
Florence Estelle Jerauld.	Joseph Winn Fiske.
Carrie Damon Johnson.	John Walter Kelley.
Sarah Emily Keyes.	Joseph E. B. Lovering.
Ella Bennett Kilburn.	Albert Freeman Mason.
Susie Elizabeth Moore.	Frank Hayward Richardson.
Alice May Porter.	William Edward Robinson.
Emma Frances Porter.	Paul Junkins Smith.
Alice Amanda Proctor.	Stephen Marvin Sullivan.
Emma Thompson Russell.	Samuel Briggs Willis.

OF THE COURSE PREPARATORY TO COLLEGE.

* Henry Cutler Baldwin.	* William Henry Hills.
William Goss Crocker.	† Laura Adams Elliott.
* Arthur Cyrus Hill.	† Mary Katharine Pike.

We have graduated 30 per cent of all pupils who entered the school from 1858 to 1864, inclusive; 42.05 per cent of all who entered from 1865 to 1870, inclusive; and 48.09 per cent of all who entered in 1871 and 1872. Average for fourteen years, 41 per cent.

Fifteen per cent of all the graduates entered college.

* Entered Harvard College.

† Entered Boston University.

The following named pupils, graduates of the grammar schools, passed a satisfactory examination for admission to the High School.

FROM PRESCOTT SCHOOL.

Chas. F. Aiken.	Ellen Hanson.
John Durant.	Bertha P. Joslyn.
Frank E. Furber.	Nellie Kauler.
Owen E. Golden.	Ella Knight.
Fred. A. Rumney.	Abbie S. Loughton.
Walter H. Milliken.	Adeline E. Lovering.
Louis H. Mudgett.	Josie D. Melvin.
Harry Porter.	Carrie F. Meserve.
Arthur W. Sanborn.	Gratia M. Moore.
Harland H. Totman.	Emily S. Overlock.
Wm. S. Woodcock.	Annie F. Page.
Hiram G. Hammett.	Annie S. Preston.
Jennie Appleton.	Eunice W. Shedd.
Nellie Coburn.	Ada L. Snow.
Nellie Cole.	Ella A. Tarbell.
Hattie H. Colgrove.	Belle G. Taylor.
Sarah E. Davis.	Carrie M. Taylor.
Gertrude Edmands.	Martha W. Tenney.
Nella L. Fitch.	Carrie M. Uihlein.

LUTHER V. BELL.

James L. Bowlby.	B. R. Twombly.
John G. Hayward.	E. Clifford Walker.
Edward K. Hewlett.	Celia H. Canfield.
John H. Holmes.	Mary J. Coakley.
Fred H. Osgood.	Lottie M. Farrington.
Wm. E. Plummer.	Minnie L. Flagg.
Jones N. Robinson.	Minnie W. Jackson.
Lewis J. Smith.	Carrie H. Parker.
Ervin W. Snow.	Ella Sampson.
Orville L. Story.	Jennie B. Warren.

FORSTER SCHOOL.

Frank E. Davis.	Chas. E. Sanborn.
Wm. F. Lovejoy.	Chas. F. Williams.
Chas. L. Morss.	John H. Corbett.

George H. Thompson.
 Lydia E. Berry.
 Amelia G. Brown.
 Corinne Cutter.
 Nellie F. Davis.
 Emma J. Dodd.
 Cora W. Foster.

Hattie L. Furber.
 C. M. Maynard.
 Alice H. Murch.
 Nida M. Pennock.
 Flora I. Towle.
 Sarah L. Winn.
 Abbie M. Bennis.

Mary P. Banks.

MORSE SCHOOL.

Chas. W. Merritt.
 John Fannon.
 John D. Bullard.
 Alden N. Libby.
 Rolla J. Butman.
 Wm. J. McDermott.
 Wm. W. Sartwell.

G. Ernest Lane.
 Lillian E. Tower.
 E. Louis Tibbetts.
 Josie C. Leuchte.
 Hattie F. Johnson.
 Hattie F. Homer.
 Lizzie Robertson.

Marilla A. Woodworth.

LINCOLN SCHOOL.

Alex. M. Graham.
 Ella N. Bickford.
 L. Gertrude Bullard.

Addie L. Buss.
 Lillie M. Fiske.
 Hallie M. Hood.

Hattie A. Packard.

PUPILS ADMITTED TO THE HIGH SCHOOL DURING THE YEAR FROM SCHOOLS OUTSIDE OF CITY.

SECOND CLASS.

September. Ida May Blaikie, from Bridgewater Normal School.
 " E. H. L. Gilman, from Amherst High School.

THIRD CLASS.

January. Maude M. Hobson, from Roxbury High School.
 " Ella H. Hood, from Lynn High School.

FOURTH CLASS.

May. Fannie C. Hartwell, from Taunton High School.
 September. Frederick W. Archer, from Brookline grammar
 school.
 " Sarah A. Clarke, from Cambridge grammar school.
 " Rosa C. Safford, from East Boston grammar school.
 " Grace W. Dane, from private school.

ATTENDANCE.

The following table represents the number of pupils in each of the thirteen classes in December, each year, for the last five years, the per cent that the number of pupils in each class is of the whole number, and the average for those years.

School.	Class.	1872.		1873.		1874.		1875.		1876.		Average No. of Pupils.	Per cent
		No. of Pupils.	Per cent	No. of Pupils.	Per cent	No. of Pupils.	Per cent	No. of Pupils.	Per cent	No. of Pupils.	Per cent		
High . .	1	29	.927	26	.769	31	.855	34	.917	38	.956	31.6	.890
	2	33	1.055	34	1.006	38	1.048	40	1.079	40	1.007	37.0	1.039
	3	50	1.598	44	1.302	52	1.434	57	1.538	58	1.459	52.2	1.465
	4	69	2.206	82	2.425	72	1.986	79	2.131	85	2.139	77.4	2.173
Grammar	5	116	3.708	122	3.605	139	3.834	143	3.857	126	3.171	129.2	3.626
	6	175	5.595	187	5.532	178	4.909	160	4.315	172	4.328	174.4	4.895
	7	269	8.600	247	7.305	235	6.481	237	6.392	266	6.693	250.8	7.039
	8	289	9.239	306	9.051	347	9.570	397	10.706	411	10.342	350.0	9.823
	9	341	10.901	407	12.038	441	12.162	391	10.545	437	10.997	403.4	11.322
	10	409	13.076	447	13.222	466	12.851	512	13.808	533	13.412	473.4	13.274
Primary,	11	337	10.774	401	11.858	378	10.425	466	12.568	470	11.827	410.4	11.518
	12	266	8.504	340	10.056	431	11.886	426	11.486	516	12.985	395.8	11.108
	13	745	23.817	733	21.823	818	22.559	766	20.658	822	20.684	777.8	21.823
Total . .	. .	3,148	100.	3,381	100.	3,626	100.	3,708	100.	3,974	100.	3,563	100.

Taking the average number of pupils in the several classes in December of each year for the last five years, as a basis of computation, we obtain the following results :—

No. of pupils in First Class was 85.4 per cent of the No. in Second		Class.	
“	“	Second	“ 70.8
“	“	Third	“ 67.4
“	“	Fourth	“ 51.0
“	“	Fifth	“ 74.1
“	“	Sixth	“ 69.1
“	“	Seventh	“ 71.6
“	“	Eighth	“ 86.7
“	“	Ninth	“ 85.2
“	“	Tenth	“ 115.3
“	“	Eleventh	“ 103.7
“	“	Twelfth	“ 50.8
“	“	Thirteenth	“

From the foregoing tables we derive the following items : —

During the last five years the primary schools have contained 44.5 per cent of the pupils in all the schools ; the grammar schools have contained 50 per cent ; and the High School, 5.5 per cent.

One half of all the pupils in the Grammar Schools have been in the fifth and sixth classes, one third in the third and fourth classes, and one sixth in the first and second classes.

In the grammar schools, the —

No. of pupils in First Class has been 27 per cent of No. in Sixth Class.			
“	“	Second	“ 36.6 “ “ “
“	“	Third	“ 53 “ “ “
“	“	Fourth	“ 74 “ “ “
“	“	Fifth	“ 85 “ “ “

About one fourth of all the pupils who enter the grammar schools complete the entire course of study prescribed for those schools, and graduate.

These items present to us the most discouraging feature of our schools. It is a cause of deep regret, and of unpleasant apprehension in regard to our future, that so large a proportion of our pupils fail to secure the full benefits of our liberal system of education.

We must look for the remedy in an improved public sentiment in regard to the importance of education, and the desirableness of a systematic and extended course of instruction and training.

As teachers and school officers, we must earnestly employ all the means at our disposal to render our schools profitable and attractive, and must omit no proper influence to induce our pupils to avail themselves of all the advantages so generously afforded them.

A large proportion of our pupils receive their only instruction in the lower grades of our schools. Hence the importance of placing those schools under the best instruction that the means afforded us can secure. Since large numbers leave school at all stages of advancement, every teacher should labor constantly with the feeling that many of his pupils are receiving from him their last school instruction, and should direct his efforts accordingly.

COURSE OF STUDY.

The pupils composing the schools may be grouped into five divisions, as follows :

1. Those who do not complete the full course of the grammar schools, being about three fourths of all who enter those schools.
2. Those who graduate at the grammar schools but do not enter the High School, being about one third of the graduates.
3. Those who enter the High School, but do not complete the full course, being about fifty-nine per cent of all who enter the school.
4. Those who graduate at the High School and enter at once upon the active duties of life, being about eighty-five per cent of the graduates.
5. Those who pass from the High School to higher institutions of learning.

Since it is impracticable to have more than one course of study in the primary and grammar schools, all of the five classes of pupils specified must be educated together during the time of their continuance in those schools.

No course of study can be arranged that will be exactly adapted to pupils whose pursuits in life will be numerous and varied. We are compelled therefore, to adopt such a course as will secure the highest good of the largest number. The studies of each year must be adapted to the age and mental development of those who are to pursue them, and preparatory also to the studies of subsequent years. As far as possible, those studies which will be of the highest practical value to those who leave school before they complete the full course should be placed first in the course.

Since it is impossible for us to foresee what will be required of our pupils in their various occupations, or how extensive will be their pursuit of knowledge, we should endeavor to lay such a foundation in the elementary schools as will be adapted to any superstructure.

All who graduate at the grammar schools may profitably pursue the same course of study in those schools, since the qualifications

essential for admission to the High School are identical with those most useful in the ordinary pursuits of life.

To meet the manifest requirements of the community, three courses of study have been arranged for the High School, — an English or Mercantile Course ; a regular English and Classical Course ; and a Classical Course especially adapted to the wants of pupils who wish to prepare for college.

Pupils who do not intend to remain in the school the full term of four years, usually adopt the English Course ; hence, for their special benefit, those studies which are of the highest practical importance are placed first in this course.

At present I am unable to see wherein the course of study for the various departments of the schools can be modified to the advantage of any one of the five classes of pupils specified, without detriment to the remaining classes.

EVENING SCHOOLS.

The evening school which was opened the first week in December, 1875, was continued until March 31 of the present year. It was divided into two divisions. Each division met three times a week upon alternate evenings.

Whole number registered	251
Boys, 185 ; girls, 66.	
Average attendance	97
Boys, 82 ; girls, 15.	
Number of teachers	6
Male teachers, 3 ; female teachers, 3.	
Cost of tuition	\$756.00
Total cost	\$1,100.00

The school was reopened in the hall of the Luther V. Bell School-house Monday evening, Nov. 13. Average attendance, about fifty, including both males and females.

MONTHLY REPORTS OF TRUANT OFFICER.

1876.	Cases investigated.	Cases of truancy.	Arrests.	Absentees placed in school.
January	31	16		
February	26	10		
March	66	20	2	19
April	100	25		2
May	12	10		
June	16	15	2	
September	117	19	1	
October	115	23		
November	92	22	1	
December	72	14		
Total	647	174	6	21

Truant Officer, ELI A. SMITH.

POPULATION AND VALUATION.

Population of the city, census of 1875 . . .	21,594
Valuation of the city, May 1, 1876 . . .	\$26,573,400 00
Personal estate	\$2,978,800.00
Real estate	\$23,594,600.00
Estimated value of school property	\$436,350 00

EXPENDITURES.

BY THE CITY COUNCIL.

Repairs	\$8,930 88	
Furniture	504 32	
Insurance	888 70	
Rent	401 00	
Fuel	3,987 75	
	<hr/>	\$14,712 65

BY THE SCHOOL COMMITTEE.

Teachers' salaries	66,600 34	
Superintendent's salary	2,500 00	
Janitors' salaries	3,283 74	
Truant officer's salary	1,000 00	
Water	370 42	
Gas	348 28	
Printing	315 36	
Books for indigent pupils and evening school	788 91	
Writing books	496 72	
Stationery and other school supplies	929 29	
Miscellaneous	511 16	
	<hr/>	77,144 22
Total expenditures		\$91,856 87

RECEIPTS.

Tuition of non-resident pupils	\$144 04	
Rent of school halls	27 00	
Sundries,	58 00	
	<hr/>	229 04
Net expenditures		\$91,627 83

HEALTH.

The education of our public schools is mainly intellectual; but it should have respect also to physical training and moral culture. A vigorous body, as the habitation of a sound and well-disciplined mind, and high moral principles to control and ennoble all, are matters of vital importance. Any system of education, therefore, is defective that does not aim at the elevation and improvement of our entire being, — physical, intellectual, and moral.

We will consider, briefly, the effect of our schools upon the bodily health and strength of our pupils.

The mind and the body are so intimately connected, harm cannot come to one without producing injury to the other. Hence, while we are endeavoring to cultivate and enrich the intellect, we should never lose sight of the importance of guarding against every influence detrimental to physical health, and of cultivating, constantly, such habits as are essential to its preservation and increase.

The unwelcome fact is ever presenting itself to our observation, that, with all the improvements of modern times in systems of education, there is a gradual diminution of physical energy, of manly vigor. It becomes us, therefore, to consider seriously how far this result is justly chargeable upon the schools, and to what extent we are personally responsible.

In the consideration of this matter, the following question claims attention: Are we requiring of our pupils more mental labor than can be performed by them, in the allotted time, without detriment to physical health and strength?

From the almost illimitable range of studies, a selection has been adopted, by mutual consent, of such as seem best adapted to prepare the young for the ordinary duties of life, and to form the basis of a more extended course of study. The extent to which the studies assigned to the schools shall be pursued, and the apportionment of the work among the several classes, are based upon an estimate of the capabilities of pupils of *ordinary* health and mental capacity.

Pupils of more than medium ability can complete the work of the

schools in less time than is required for those of ordinary capacity ; since the regulations of the School Board provide, that individual promotions may be made whenever, in the judgment of the teacher, the subcommittee, and the Superintendent, the interests of pupils require them. Pupils of feeble health or limited capacity are not restricted to any specified time for the completion of the course of study prescribed. It is apparent, therefore, that our school system is sufficiently flexible to meet the conditions of all classes of pupils.

After years of careful observation I am decided in the opinion, that, with judicious management on the part of teachers, no pupil of ordinary health and average mental capacity need receive injury from the performance of school requirements, in the allotted time ; and hence conclude that the demands of the schools are not excessive.

There are, however, in almost every school, ambitious pupils of feeble health and limited physical endurance, and pupils who have been promoted prematurely, who are receiving permanent injury from their attempts to meet the requirements of the schools in the time allotted to pupils who are enabled by vigorous health, suitable age, and previous study to perform their work with ease.

General regulations cannot meet each individual need. But parents and teachers, from daily observation, have ample opportunities to judge correctly of the effect of school work upon each pupil under their charge. To their vigilance, therefore, we must look for protection from harm of pupils of the classes specified.

I apprehend that most of the ill health of pupils consequent upon their connection with the schools is occasioned by their exposure to frequent and sudden changes of temperature, and currents of cold air from open doors and windows, and from imperfect modes of heating and ventilating school-rooms.

Twenty-nine of our school-rooms are heated by means of stoves, — the most objectionable of all modes yet devised ; twenty, by the passage of steam through pipes located in the rooms, — only a slight improvement upon the method of heating by stoves ; twenty-nine, by furnaces ; and two, the large rooms in the High School building, by means of warm air from coils of steam pipe located outside of the rooms. This last method I regard the best yet in-

vented, unless the substitution of hot water for steam, in heating the coils, is an improvement.

Our modes of ventilating are similar to those in general use ; but they are altogether inadequate, and are nearly useless in calm weather, when artificial means of ventilation are most needed.

It is well known that the life-sustaining element of the atmosphere, which constitutes about twenty-one per cent of its volume, is rapidly diminished by its passage through the lungs in the process of breathing, and that carbonic acid nearly equal in quantity to the loss of oxygen is emitted. At each respiration, about 4.35 per cent of carbonic acid is added to the air, and about 4.78 per cent of oxygen is removed. Since the average number of respirations is about twenty each minute, and the average quantity of air inspired by a person in a state of rest is twenty cubic inches at each respiration, it is apparent that the air of an imperfectly ventilated school-room must soon become vitiated.

When to the air in this condition is added various odors from the clothing of pupils, and noxious gases from imperfect or improperly managed heating apparatus, the teacher is strongly tempted to obtain relief through open doors and windows. But during the season when artificial heat is required, which in our climate is from September to June, the temperature of the external air is so much below the proper temperature of the air within the school-room, it cannot be admitted while the pupils are at rest, without exposing them to sudden colds which are liable to result in injurious if not fatal consequences.

The evils resulting from imperfect ventilation can be remedied only by the constant admission into the school-room of large quantities of pure air at a temperature suitable for health and comfort, and the exclusion of a similar quantity of air through large ventiducts artificially heated to produce a strong current.

Under such circumstances, pupils would not be exposed to sudden changes of temperature and the air of the school-room, at all times, would be pure and healthful.

Such an arrangement would require a larger consumption of fuel, but the additional cost would be compensated for many times by the improvement in the health and comfort of schools which would ensue.

We may confidently expect that the time will soon come when the sanitary condition of school-rooms will receive greater attention in the construction of school buildings, and that existing evils will be remedied at any cost. Meanwhile, we must endeavor by constant vigilance to diminish as far as possible the consequences of existing defects.

Teachers should become familiar with the working of the heating apparatus, and should insist that the fires be graduated to conform to the temperature of the atmosphere. They should consult their thermometers frequently, and maintain in their rooms a uniform temperature of about 70°. Under no circumstances should pupils be exposed to currents of cold air while they are seated at their desks. Janitors should be required to ventilate the school-rooms thoroughly, at the close of each session, and the air should be changed during every recess, at which time, whenever the condition of the weather will permit, all the pupils should be required to leave their rooms and should be encouraged to engage in healthful sports in the open air.

CONCLUSION.

For many years popular education has been a prominent theme of discussion. It has received the thoughtful consideration of the best minds in every enlightened community, and has been presented in every conceivable aspect. In respect to it, the question is pertinent, "Is there anything whereof it may be said, See, this is new? it hath been of old time which was before us." But there are certain standard thoughts pertaining to this important subject which—like the moral code—are always timely, and should ever be kept prominently before the minds of those who direct the education of the young.

Methods are ever changing. Courses of study undergo various modifications to adapt them to the ever-varying demands of communities; but principles are immutable; the elements of our common humanity remain unchanged; the constituents of the mind do not vary; and the laws of development and growth are permanent. Each new pupil requires the exercise of the same agencies for his information and development that have been suc-

cessfully applied to all who have preceded him. The old familiar paths which we have traversed until their novelty has disappeared, will present numerous and varied attractions to the youthful traveller at every step of his advancement.

Each succeeding year presents to us additional incentives to the faithful appliance of all the means of education at our disposal. The demands of society are ever increasing. Higher qualifications and more liberal culture than formerly are now requisite to attain high social positions, and to fill acceptably places of trust and emolument.

When our pupils pass from our tuition, they should not only be well versed in the rudiments of learning and amply furnished with important knowledge, but, in consequence of the thorough *training* of the schools, should possess the ability to make a skilful application of what they have acquired, since their success in life will depend more upon what they can *do* than upon what they *know*.

It has been well said, "Teaching has never done its perfect work, until by *training* the mind has learned to run in accustomed channels, until it sees what is true and feels what is right, with the clearness, force, and promptitude which come only from long-continued habit."

Skill in the performance of whatever may be required of us is the result, mainly, of previous preparation, through long-continued effort. It has passed into a proverb: "Tell me what a man has been doing, and I will tell you what he is."

"Our deeds have travelled with us from afar,
And what we have been makes us what we are."

The young are educated not so much by what is communicated to them as by what is wrought out by them. The most successful teacher, therefore, is not the one who imparts the greatest amount of information, but rather the one who succeeds best in stimulating his pupils to patient study and careful investigation, who teaches the art of self-culture, how to gather knowledge most successfully from the written page and the ever-open book of nature, and how to apply most skilfully the knowledge acquired.

As teachers and school officers we cannot emphasize too strongly

the importance of the work in which we are enlisted, nor unduly intensify our interest and zeal in its accomplishment.

Horace Mann once said, "If instead of twenty-one *years*, the course of nature allowed but twenty-one *days* to rear an infant to the full stature of manhood, and to sow in his bosom the seeds of unbounded happiness or of unspeakable misery, I suppose, in that case, the merchant would abandon his bargains, and the farmer would leave the ingathering of his harvests, and *that* twenty-one days would be spent without much sleep and with many prayers." But the remoteness of causes does not affect materially the character of their results.

Having accepted the responsibility delegated to us, of directing the education of the youth of our city, we should labor most earnestly to accomplish for them all that could be secured by affectionate and judicious parents under the most favorable circumstances. With conscientious fidelity, we should guard and promote their physical health and strength, develop their bodily and mental powers, store their minds with useful knowledge, and assist them in acquiring skill in the practical application of what they know. We are to shield them from pernicious moral influences, cultivate in them noble aspirations, and stimulate them to the practice of every virtue. To the utmost extent of our ability, we are to prepare them for the successful accomplishment of their life-work.

Respectfully submitted.

J. H. DAVIS,
Superintendent of Public Schools.

Dec. 30, 1876.

ANNUAL REPORT

OF THE

SOMERVILLE MYSTIC WATER BOARD,

1876.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Feb. 19, 1877.

Received, accepted, and referred to the Committee on Printing with instructions to print the same in the Annual Report of the city. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk*.

IN COMMON COUNCIL, Feb. 19, 1877.

Concurred in.

SOLOMON DAVIS, *Clerk*.

CITY OF SOMERVILLE.

IN WATER BOARD, Somerville, February 15, 1877.

To the City Council of the City of Somerville :

The Somerville Mystic Water Board respectfully submit their Annual Report, for the year ending December 31, 1876 :

Presenting in detail a statement of the quantity and size of pipe laid, and the number of fire hydrants and stop gates set during the past year ; also a statement of the progress and condition of the works at the expiration of the year 1876.

Three additional stand pipes for the supply of watering-carts have been set the past year, at the request of the Committee of the City Council on watering streets.

The total amount of distribution pipe laid in the streets of the city to December 31, 1876, is 43 miles, 3,853 feet ; number of stop gates set, 340 ; number of fire hydrants set, 245 ; of which 1 mile, 1,514 feet of pipe, 25 stop gates, and 9 post hydrants have been laid and set during the year 1876.

During the year, 137 new service pipes have been laid, the aggregate length of which is 4,625 feet.

The average cost of each service pipe is \$21.33.

Water is now supplied to 3,086 dwelling-houses ; 4,418 families ; 106 shops and stores, 24 manufactories, 514 stables, and nearly all the public buildings, being an increase of 133 dwelling-houses, 187 families, 4 stores, 1 manufactory, and six stables, during the year 1876.

The water fixtures now in use are designated as follows, viz , 4,538 sinks, 909 taps, 804 bath-tubs, 936 wash hand basins, 982 pan, 786 self-acting, and 85 hopper water-closets ; 41 private hydrants, 27 urinals, 6 fountains, and 494 hand hose.

There are now vacant 281 houses, 58 stables, and 25 stores.

About three fourths of the houses vacant are arranged for two families.

There has been no complaint of trouble from frozen water mains or service pipes during the past year, and the Board believe that in the future there will be little to be feared from frozen pipes.

During the past year, action has been taken by this Board in regard to placing the fire hydrants in charge of the Fire Department, which has resulted in the passage of an order by the City Council to that effect.

In consequence of the caving of the trench for the new main sewer constructed in West Somerville, much damage has been caused to the distribution and service pipes on Beacon, Mosland, and Elm Streets, giving great inconvenience to the water takers on the line of those streets. The Board has, under the circumstances, taken every means in its power to lessen the damage caused to the water takers by the conveyance of water to their houses and stables, until such time as the completion of the sewer would allow the repairs to be made on the water pipes.

In the last report submitted by this Board, reference was made to the steps which had been taken towards obtaining a modification of the Water Contract between the city of Charlestown and the town of Somerville, dated Sept. 21, 1868, and the hope was expressed that ere long a modified contract would be presented for the consideration of the City Council. Circumstances entirely beyond the control of this Board have occurred preventing any decision in the matter. During the past year the subject was referred by the Water Committee of the Boston City Council (to whom it was originally referred) to the Mystic Water Board of Boston, and another hearing was given, at which members of this Board were present, and the facts in the case, on the part of Somerville, presented to the best of their ability.

The following, which is taken from the last report of the Mystic Water Board to the Boston City Council, dated June 20, 1876, fully explains the result of the hearing before that Board, viz. :

“The petition from the cities of Chelsea and Somerville, and the town of Everett, for a modification of contracts with them, which was presented to the City Council, and referred to the Joint

Standing Committee on Water, after one hearing by them was referred by the committee to this Board, with a request that they would report what modifications, if any, should be made in the contracts. The Board, after several interviews and hearings with representatives of the Water Boards of each of the places named, and a careful consideration of the matter, came to the conclusion that it would be unwise to make the changes asked for by the petitioners, and that if anything was done it should be to make an entirely new contract, based upon the altered state of things growing out of the annexation of Charlestown to Boston; and that this could be done better by the Boston Water Board, when appointed, who would have charge of both the Cochituate and Mystic Works, than it could be by any existing Board, and they so reported to the committee."

Subsequent to the report from which the above quotation is made, the Water Committee of the Boston City Council reported, recommending that the subject be referred to the new Water Board of Boston, which recommendation was adopted, and the whole matter is now in the hands of that Board.

The works during the year 1876 have been under the general superintendence of Mr. Benjamin Almy, who has performed his duties in a faithful and satisfactory manner.

The engineering has been under the direction of Mr. George A. Kimball, the City Engineer, who has responded cheerfully to any call made upon him.

You are referred to the report of the Superintendent, herewith presented, containing a tabular statement of the amount of pipe laid, and other work performed during the year 1876, as also an inventory of stock and tools on hand at the workshop.

The cost of the works is as follows:—

Value Dec. 31, 1875,	\$321,047 84
Expended during the year 1876, including stock now on hand,	6,184 49
Value of 3 stand pipes,	225 00
Total,	<hr/> \$327,457 33

The Board desire to express their thanks to the Commissioners, Registrar, and Superintendent of the Mystic Water Works for courtesies extended to them the past year.

During the long time the members of the Board have been associated together, they have endeavored faithfully and conscientiously to perform the duties assigned them; have in all cases where, in their judgment, the interest of the town or city would admit, granted the petition of the citizens for the laying of distribution pipes; and transfer to the care of their successors in office the 43 miles of distribution pipe, with the appurtenances thereto belonging, in good working order.

C. E. RYMES.

CUTLER DOWNER.

THOMAS CUNNINGHAM.

HORACE HASKINS.

R. A. VINAL.

STATEMENT SHOWING TOTAL LENGTH OF DISTRIBUTION WATER PIPE LAID IN
SOMERVILLE, TO JANUARY 1, 1877.

	Feet. 12-inch.	Feet. 10-inch.	Feet. 8-inch.	Feet. 6-inch.	Feet. 4-inch.	Feet. 3-inch.	Feet. 2-inch.	Total Miles & Feet.	
								Miles.	Feet.
Laid previous to 1876.	8,542.6	4,586	28,277.6	88,941.7	84,558	7,446.5	1,747	42	2,339.4
Laid in 1876 . . .			1,472	2,399	2,449	474		1	1,514
Total	8,542.6	4,586	29,749.6	91,340.7	87,007	7,920.5	1,747	43	3,853.4

SUPERINTENDENT'S REPORT.

To the Somerville Mystic Water Board :

GENTLEMEN, — My fourth Annual Report as Superintendent of the Somerville Mystic Water Works is respectfully submitted, comprising a statement of all work performed under my care during the year 1876, and also an inventory of materials and tools on hand January 1, 1877.

STREETS.	PIPE LAID IN 1876. Size of Pipe laid.				GATES SET 1876.				Hydrants set, 1876.	Hydrant pipe, 4-in.
	Feet. 8-in.	Feet. 6-in.	Feet. 4-in.	Feet. 3-in.	8-in.	6-in.	4-in.	3-in.		
Avon									1	10½
Broadway from Weston Av. dead end	1,433				1				2	22½
Broadway, at New Cross	39	230								
Bow Street Place — a dead end			14	300				1		
Brooks, from Main to Heath		190								
Broadway Place — a dead end				70						
Beacon, at Park Street						1				
Columbus Avenue, at Warren Ave.						1				
Conwell Avenue									1	7
Cherry, at Elm							1			
Cottage Avenue, from Chester Street			227				1			
Day, from Elm			515				2		1	8
Durham, from Beacon		468				1			1	8
Elm, at Willow Avenue						1				
Flint, at Cross						1				
Glen, at Flint							1			
Heath, at Brooks								1		
Herbert, from Day to Chester			380				1			
Hanson, from Skehan to Durham			187				1			
Leon, from Concord Ave., a dead end			14	104						
Moore, north from Mead, a dead end			65							
Main, from Broadway to Brooks		640	10			1			1	7
Munroe, east from Walnut		63								
Mossland, at Elm							1			
New Cross, from Broadway, dead end		247				1				
Pitman			426				2			
Pierce Court — a dead end			145				1			
Professor's Row, from Curtis		358				1				
Professor's Row, from College Ave.		203								
Rush, from Pearl to Flint			323				1		1	6½
Sacramento, at Beacon						1				
Wigglesworth, from Otis			143							
Washington, corner Hawkins									1	8
Washington, at Beacon							1			
	1,472	2,399	2,449	474	1	9	13	2	9	77½

HYDRANTS MOVED ON ACCOUNT OF STREET IMPROVEMENTS.

Beacon Street, at corner Sacramento,	1
Beacon " opposite Forest Street, Cambridge,	1
Concord Avenue, near Leon Street,	1
Chauncey Avenue discontinued,	1

Repaired thirty-seven leaks on main pipes, four charged to Patent Water and Gas Pipe Company, being guaranteed by them for five years, amounting to \$29 ; repacked ten gates, put new valves into twenty-one hydrants, replaced seven gate boxes and one flush hydrant box opposite School Street, Broadway ; cleaned forty-two corporation taps filled with rust, set three stand pipes for watering streets, two on Somerville Avenue below Union Square and one on Washington Street, corner of Boston Street.

MATERIALS ON HAND AT COST.

PIPE LINED.

27 feet 12 in. at	\$1 00	\$27 00
35 " 10 "	90	31 50
112 " 8 "	75	84 00
287 " 6 "	45	129 15
168 " 4 "	28	47 04
182 " 3 "	24	43 68
		<hr/>
		\$362 37

PIPE NOT LINED.

203 feet 10 in. at	\$0 75	\$152 25
77 " 8 "	58	44 66
1,113 " 6 "		389 55
413 " 4 "		94 99
		<hr/>
		681 45

Sleeves 21 ft. 3in., 17 ft. 8 in., and
74 ft. 6 in.,

Amount carried forward,

\$1,043 82

Amount brought forward,

\$1,043 82

SHEET-IRON BRANCHES LINED.

7 double 4 on 6 at	\$2 25	\$15 75
3 " 4 " 4 "	2 10	6 30
2 single 3 " 4 "	2 00	4 00
2 " 3 " 3 "	2 00	4 00
2 unlined 3 " 6 "	1 75	3 50

33 55

CAST-IRON PIPE AND BRANCHES.

16 feet 8 in.	800 lbs. at	\$0 02 $\frac{1}{4}$	\$18 00
15 " 6 "	500 "	02 $\frac{1}{4}$	11 25
12 " 4 "	270 "	02 $\frac{1}{4}$	6 07
1 " 4 " $\frac{1}{4}$ turn	55 "	03	1 65
1 " 4 " special casting,			3 60
1 " 4 " sleeve,	19 lbs.		57
2 " 6 " sleeves,	47 " at	03	1 41

42 55

CAST-IRON BRANCHES, NOT LINED.

1 double 6 on 6	82 lbs. at	\$0 03 $\frac{1}{2}$	\$2 87
4 " 4 " 6	304 "	03 $\frac{1}{2}$	10 64
5 " 4 " 4	285 "	03 $\frac{1}{2}$	9 97
1 single 6 " 8	94 "	03 $\frac{1}{2}$	3 29
5 " 4 " 6	315 "	03 $\frac{1}{2}$	11 02
5 " 4 " 4	235 "	03 $\frac{1}{2}$	8 22

46 01

CAST-IRON BRANCHES LINED.

2 double 4 on 6	\$8 00
1 " 4 " 4	3 50
1 single 4 " 8	4 50

16 00

HYDRANTS ON HAND.

4 inch good order at	\$50 00	\$200 00
4 to be repaired "	45 00	180 00

380 00

Amount carried forward,

\$1,561 93

Amount brought forward,

\$1,561 93

GATES ON HAND.

2 4 inch at	\$15 30	\$30 60
3 3 “	12 60	37 80
15 gate frames and covers,		86 25
1 small cover,		1 25

 155 90

SUNDRY MATERIAL.

300 feet boards, at \$26.00 per M.	\$7 80
1,500 “ plank, “ “ “ “	39 00
13 bbls. cement, at \$1.60.	20 80
10 lbs. oakum,	1 00
$\frac{1}{4}$ ton coal,	1 50
52 lbs. winding rope,	6 24
4 gallons naphtha,	1 40
50 lbs spikes,	2 00
60 lbs. nails,	2 40
1 $\frac{1}{2}$ yds. enamelled cloth,	90
23 yds. cotton drilling, at .12,	2 76
275 lbs. rivets, at .13,	35 75
15 hydrant valves,	12 00
13 “ caps, 75 $\frac{1}{2}$ lbs. at .04,	3 02
29 lbs. manilla rope at .14 $\frac{1}{2}$,	4 20
1 iron bound block,	1 25
3 gate boxes,	9 00
8 hydrant rods,	9 00
5 wrench nuts for hydrants, at .75,	3 75
6 hydrant gaskets, at .75,	4 50
2 bbls. tar,	10 00
27 feet fuse,	10
9 $\frac{1}{2}$ lbs. chain,	1 00
10 lbs. $\frac{1}{4}$ inch wire,	1 00
7 hydrant screws,	70
8 studs for hydrant caps,	48

Amounts carried forward,

 \$181 55

 \$1,717 83

<i>Amounts brought forward,</i>	\$181 55	\$1,717 83
50 lbs. white lead,	5 00	
21 sheets 2½ sand paper,	10	
		<u>186 65</u>
Total value of material on hand,		<u>\$1,904 48</u>

TOOLS FOR WATER WORKS.

1 lining stand and fixtures,	\$25 00	
1 punching machine,	250 00	
1 rolling “	200 00	
6 mandrels,	90 00	
2 mandrel frames,	10 00	
4 sets rollers for forming pipe,	45 00	
6 pr. pipe clamps,	12 00	
6 pr. pipe rings,	5 00	
3 rivet sets,	1 00	
1 wire gauge,	1 25	
17 cold chisels,	2 00	
5 small hammers,	2 75	
3 mallets,	50	
5 pair snips,	5 50	
2 bench shears,	5 00	
8 oil cans,	4 00	
20 lanterns,	20 00	
1 tackle and derrick,	6 00	
1 hand hose,	1 50	
1 hydrant hose,	1 00	
2 saws,	1 00	
1 bit-stock and bits,	1 50	
1 2-foot square,	75	
1 jack plane,	75	
1 oil stone,	50	
7 drills, 66½ lbs. at .20	13 30	
3 spoons,	1 00	
7 striking hammers,	12 00	
3 sledge hammers,	7 00	
		<u>\$725 30</u>
<i>Amount carried forward,</i>		\$725 30

<i>Amount brought forward,</i>		\$725 30
2 iron bars	\$3 00	
4 frost wedges, 43½ lbs. at .20	8 70	
2 sand-screens,	50	
7 hydrant wrenches,	5 00	
2 flush hydrant wrenches,	4 00	
2 hose spanners,	25	
1 packing-box wrench,	1 25	
6 gate wrenches,	14 00	
7 mending knives,	1 00	
10 pails,	3 00	
2 water tubs,	1 50	
1 water barrel,	1 00	
4 mortar boxes,	6 00	
3 hods,	1 00	
2 trowels,	1 00	
2 tool boxes,	7 00	
7 pair rubber mits,	10 00	
1 wheelbarrow,	4 00	
20 picks,	25 00	
17 shovels at .75	12 75	
4 kettles,	2 50	
1 grindstone,	4 00	
2 tape measures,	1 00	
1 cutting bench,	2 50	
2 rammers,	1 00	
1 pair rubber boots,	3 00	
1 pipe cradle,	1 00	
3 fire furnaces,	1 00	
1 pair hydrant tongs,	30	
1 branding iron, S. W. W.,	30	
1 tank for turning pipe,	45 00	
3 tar barrels,	2 50	
1 plough and points,	5 00	
1 step-ladder,	4 00	
	<hr/>	183 05
<i>Amount carried forward,</i>		<hr/> \$908 35

Amount brought forward,

\$908 35

1 ratchet and drills for repairs on	
hydrants,	15 00
caulking irons and 2 joint pins,	1 00
powder can,	35
2 punches,	20
2 horses,	100 00
3 wagons,	200 00
1 pung,	40 00
1 sleigh,	18 00
4 blankets,	8 00
2 harnesses,	45 00
1 buffalo robe,	6 00
2 surcingles,	1 00

OFFICE FURNITURE.

1 desk, 4 chairs, 1 stove, 1 letter	
hook file, 2 inkstands, 1 order	
slate, 1 broom,	20 00

454 55

Total,

\$1,362 90

WATER-SERVICE MATERIALS.

31 feet 2 in. galvanized pipe,	at \$0 20	\$6 20
297 " 1½ " unlined pipe,	12	35 64
1,162 " 1¼ " lined to 1 inch,	14	162 68
799½ " 1 " " ¾ "	12	95 94
357½ lbs. lead pipe,	9	32 17
57½ " solder,	16	9 20
844 " old lead,	5½	46 42
23 " block tin pipe,	30	6 90
15 connecting leads,		15 00
12 12 inch clamps,	2 25	27 00
9 10 " "	2 25	20 25
3 8 " "	2 25	6 75
7 6 " "	2 25	15 75

Amount carried forward,\$479 90

<i>Amount brought forward,</i>		\$479 90
20 4 inch clamps,	\$2 25	45 00
14 3 " "	2 25	37 50
2 4 inch with Ludlow gates,		10 00
2 6 " "		10 00
172 stop and waste, con. nipples,	2 00	344 00
193 1 $\frac{3}{4}$ in. brass Ts,	45	86 85
36 1 " plugs,	07	2 52
4 1 $\frac{1}{2}$ " union nipples,	30	1 20
2 1 " goose necks,	1 00	2 00
11 $\frac{5}{8}$ " "	50	5 50
4 $\frac{1}{2}$ " "	40	1 60
3 2 " R. W. stop and water cocks,	4 00	12 00
12 1 $\frac{1}{4}$ " union swivel nipples,		6 60
2 1 $\frac{1}{4}$ " R. W. stop and waste T handle,	1 67	3 34
4 1 " " " "		6 00
3 $\frac{3}{4}$ " stop and waste T handle,	1 30	3 90
1 1 " spigot stop and waste,		2 00
7 $\frac{5}{8}$ " " "	1 00	7 00
3 $\frac{1}{2}$ " " "	75	2 25
7 1 $\frac{1}{4}$ by 1 in. brass T,	45	3 15
3 1 " stop and waste with nipples,	1 90	5 70
2 2 " brass tap nipples,	50	1 00
5 1 $\frac{1}{2}$ " " "	40	2 00
4 1 $\frac{1}{4}$ " " "	30	1 20
6 1 " " "	25	1 50
6 $\frac{3}{4}$ " " "	20	1 20
3 $\frac{1}{2}$ " " "	18	54
2 1 " union couplings,	50	1 00
5 $\frac{1}{8}$ " " "	40	2 00
2 $\frac{1}{2}$ " " "	30	60
1 1 " ground seat R. W.,		50
5 2 " $\frac{1}{8}$ bends hose thread,	30	1 50
2 2 " globe valves with wheel,	3 50	7 00
2 2 " gal. Ts,	65	1 30
<i>Amount carried forward,</i>		<hr/> \$1,099 35

<i>Amount brought forward,</i>		\$1,099 35
11 1 by $\frac{3}{4}$ inch,	\$0 20	2 20
12 $\frac{3}{4}$ inch Ts,	16	1 92
1 2 " cross gal.,		60
1 3 " gal. coupling,		55
2 2 $\frac{1}{2}$ " "	35	70
4 2 " "	25	1 00
16 $\frac{3}{4}$ " "	9	1 44
2 $\frac{3}{4}$ " gal. R. and L.,		20
1 hose nipple for stand pipe,		1 00
7 $\frac{5}{8}$ gal. couplings,	7	49
1 2 $\frac{1}{2}$ in. " elbow,		45
1 2 " " "		40
2 $\frac{3}{4}$ " " "		40
2 2 " C. I. "	30	60
6 1 $\frac{1}{2}$ " mal. elbows,	25	1 50
9 1 $\frac{1}{4}$ " " "	20	1 80
34 1 " " "	18	6 12
5 1 $\frac{1}{2}$ " " Ts,	25	1 25
1 1 $\frac{1}{4}$ " " "		25
5 1 $\frac{1}{4}$ by 1 in. mal. Ts,	25	1 25
32 1 " " "	20	6 40
12 1 by $\frac{5}{8}$ " " "	20	2 40
1 1 $\frac{1}{2}$ " " cross,		38
4 1 $\frac{1}{4}$ " " "	30	1 20
2 1 " " "	25	50
3 1 by $\frac{3}{4}$ " " "	25	75
3 2 " C. I. plugs,	15	45
2 1 $\frac{1}{2}$ " " "	12	24
9 1 $\frac{1}{4}$ " " "	10	90
32 $\frac{3}{4}$ " " "	5	1 60
16 $\frac{5}{8}$ " " "	5	80
2 1 " stopcocks and nipple,	1 90	3 80
21 $\frac{3}{4}$ " solder corporations and nipple,	1 75	36 75
<i>Amount carried forward,</i>		<hr/> \$1,179 64

<i>Amount brought forward,</i>		\$1,179 64
81 1 inch solder connecting nipples,	\$0 35	28 00
1 self-closing faucet,		2 80
4 hose bite faucets,	1 00	4 00
2 corporations soldered on,		4 50
2 hose nipples and 1 cap,		75
38 bushings and reducing couplings,		3 80
1 3 in. gal. nipple,		35
4 2½ " " "	35	1 40
7 2 " " "	30	2 10
41 ft. small iron pipe,	5	2 05
33 lead pipe tacks,		1 00
90 pipe hooks,		40 00
4 Bartholomew hydrants,		12 00
5 lbs. red lead,		50
3 shut-off rods,	35	1 05
1 service box cover,		20
Total,		\$1,284 14

INVENTORY OF TOOLS FOR WATER SERVICE.

4 service wrenches,	\$3 00
2 pipe cutters and wheels,	12 00
1 2 in. die plate and die,	15 00
1 1 " " " " 3 dies,	9 00
1 ¾ " " " " die,	8 00
1 press and cones for lining pipe,	
2 set cones,	40 00
1 bench vise,	10 00
1 1 in. tapping machine,	8 00
1 ⅝ " " " "	15 00
8 pair tongs,	12 50
2 Stilson wrenches,	3 00
4 monkey "	2 50
3 fire pots,	2 00
<i>Amount carried forward,</i>	\$140 00

<i>Amount brought forward,</i>	\$140 00
1 8 in. solder kettle,	1 50
1 5 " " "	1 00
2 solder ladles,	60
5 doz. service locks at .65	32 50
3 soldering irons,	3 25
6 flat files,	1 25
2 round files,	20
62 clamps for locking service pipe	37 70
1 set washer cutters,	1 50
2 ten pins,	40
1 lining bench,	1 50
5 tunnels,	1 00
3 force pumps,	10 00
1 screw driver and saw set,	60
	<hr/>
	\$233 00

Number of services put in, 137.

Average cost of services, \$21.33 each.

NUMBER OF FEET AND SIZE OF SERVICE PIPE LAID.

2 in. galvanized	208 ft.
1 " cement lined,	72
$\frac{3}{4}$ " " "	4,345
	<hr/>
Total,	4,625 ft.

Respectfully,

BENJAMIN ALMY,
Superintendent.

REPORT
OF THE
COMMITTEE ON HIGHWAYS,
1876.



CITY OF SOMERVILLE.

IN COMMITTEE ON HIGHWAYS, Dec. 28, 1876.

To the City Council of the City of Somerville :

The Committee on Highways deem it proper to submit to the City Council a brief report of their doings during the year now about to close.

Your committee have held sixty-eight meetings, have received and acted upon one hundred and sixty-three orders, petitions, etc., and have submitted one hundred and fifty-two reports.

No new streets have been laid out, but much labor has been given to the completion of those previously laid out, and the committee have the satisfaction of reporting them all finished, and the betterments assessed thereon.

That portion of *Beacon* Street lying between Sacramento Street and Somerville Avenue has been greatly improved by being widened to its full width of sixty-six feet, the grade raised from six to twenty-two inches through the lower portions, and the whole roadway thoroughly macadamized : four thousand seven hundred and sixty-three loads of cracked stone having been used, besides a large quantity of earth filling, which was mostly obtained from the surplus remaining after the construction of the West Somerville Sewer. This street is now completed throughout its entire length, and in the opinion of your committee is one of the best thoroughfares in the city.

Fourteen street crossings have been constructed, the repaving of Washington Street under the bridge of the Boston and Lowell Railroad, and a large amount of paving required by the resetting of edgestones and gutters, have all been done by the regular highway force and with but little outlay for paving-stones, the Wakefield gravel having supplied all the *round stone* pavers required.

No gravel has yet been taken from the land in Waltham, as your

committee have not been able to make what they considered advantageous terms with the Fitchburg Railroad Company for transportation and loading.

The completion of the Broadway Park, followed by the assessment of betterments on eight hundred and thirteen estates under the direction and guidance of the City Council, has added to the labors of your committee.

But little progress can be reported in the construction of *brick* sidewalks, the amount at the disposal of the committee for this object being less than \$1,000. The construction of sewers has furnished a considerable quantity of earth suitable for grading walks, and it has been freely used for this purpose.

The City Engineer, under the instructions of your committee, has numbered twenty-two streets. The principal ones are, Somerville Avenue, Grand View Avenue, Warren Avenue, Mt. Vernon Street, Rush Street, Springfield Street, and Pearl Street. About two thousand numbers have been put upon houses.

The committee desire to express their appreciation of the services of the Superintendent of Streets, and of the clerk of their committee, for the faithful and satisfactory manner in which they have performed their respective duties.

Respectfully submitted.

JACOB T. GLINES, *Chairman.*

THIRD
ANNUAL REPORT
OF THE
CITY ENGINEER OF SOMERVILLE,
1876.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, March 5, 1877.

Accepted, referred to the Committee on Printing, with instructions to print the same in the Annual Report of the City. One hundred copies separate to be bound in paper. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, March 7, 1877.

Concurred in.

SOLOMON DAVIS, *Clerk.*

CITY OF SOMERVILLE.

CITY ENGINEER'S OFFICE, Jan. 15, 1877.

To his Honor the Mayor, and the City Council of the City of Somerville:

GENTLEMEN, — The City Engineer respectfully presents the following report for the year 1876.

SEWERS.

The following tabular statement will show the lengths, sizes, etc., of sewers built during the year.

TABULAR STATEMENT OF SEWERS BUILT IN 1876.

LOCATION.			CONSTRUCTION.							COST.		
Name of Street.	From	To	Built by	Materials.	7 inches in	Man-holes.	Inlets.	Average cut.	Soil.	Length in feet.	Cost per foot.	Total cost.
§Arvon	School	Westerly	City	Brick	15	2	41	8.5	Clayey gravel .	614	\$1 46	\$939 75
Beacont	Sacramento	Somerville Av. . . .	William Sullivan	"	48	5	48	16.8	Sand	1773.5	9 75	17,092 37
Coneord Av. . . .	Springfield	Near Leon	City	"	18	1	31	7.8	Clayey gravel .	491	1 23	603 65
Elm†	Mossland	Willow Av. . . .	William Sullivan	"	48	4	23	24.4	Clay and sand .	1496.5	8 31	12,437 66
*Elm†	Willow Av. . . .	Dover	William Sullivan	"	42	3	85	11.9	Sand	1346	4 24	6,557 58
Leland	Elm	Near Summer	City	"	18	3	74	9.2	Clay	990	1 32½	1,311 11
Mossland†	Somerville Av. . . .	Elm	William Sullivan	"	48	0	9	30.5	Clay	485.5	8 99	4,364 53
South	End of Pipe	Emery	Michael Collins	Cement Pipe	12	0	17	..	Soft clay	171.5	1 22	238 65
South	"	Willow	Michael Collins	"	12	0	13	..	Soft clay	128.6	1 22	156 46
Sycamore	" Sewer	Broadway	Francis Mongan	Akron Pipe	15	1	..	7.1	Clay	164	1 44	236 72
New Cross	Broadway	Northeasterly	Adna C. Winning	Cement Pipe	12	..	3	5.2	Clayey gravel .	Built by private parties.		
Perkins Place	Perkins	Northeasterly	City	Portland Pipe	8	..	4	7.8	Clayey gravel .	} Built by order of the Board of Health.		
Private land	Avon	Old drain	Francis Mongan	"	15	..	1	6.2	Clayey gravel .			
						19	347			7,830.6		\$43,908 48

* Unfinished.

§ 79 cubic yards of ledge.

† Part of Beacon and Elm Streets sewer.

Total length of sewers built by city previous to Jan. 1, 1876 102 05.5 lin. feet
 " " " during the year 1876 7 80.6 " "

Total 113,945.6 feet = 21.6 miles.

Sewers were built in 1876 as follows, viz.: brick, 7,426.5 feet; cement pipe, 330.1 feet; clay pipe, 164 feet. Total, 7,890.6 feet, or about one and one half miles. In these were built 19 man-holes and 347 inlets.

BEACON AND ELM STREETS SEWER.

This is an extension of a sewer built in 1875, commencing at point on Beacon Street at its junction with Sacramento Street, thence through Beacon Street, under the Fitchburg Railroad and bridge abutments, crossing Somerville Avenue, through Mossland and Elm Streets to Davis Square at West Somerville. From Sacramento Street to Willow Avenue the sewer is forty-eight inches in diameter, and from Willow Avenue to Davis Square is forty-two inches in diameter. The contract was awarded to William Sullivan, of Lawrence, and the work commenced on the twenty-ninth day of June. The rate of progress made by the contractor was not in accordance with the terms of the contract. The contract required the work to be completed before December 1, 1876, and at that date fourteen hundred and ninety-four feet remained uncompleted, and at the close of the year five hundred and ninety-five feet remained uncompleted.

A large portion of the territory through which this sewer was constructed is very wet and sandy, and numerous powerful springs were encountered, making it necessary to use great care in the construction. The deepest excavation being thirty-two and eight tenths feet, at the junction of Mossland and Elm Streets.

On August 18, a temporary injunction was issued by the Supreme Court, restraining the city from building the sewer under the Fitchburg Railroad and bridge abutments. After a slight delay the matter was adjusted between the railroad company and the city.

The construction of this sewer will give an outlet for the drainage of a large portion of West Somerville, and by the construction of lateral sewers the people in that vicinity will receive the benefit of a much-needed improvement.

NEW CROSS STREET SEWER.

This sewer was built at the expense of private parties, in accordance with lines and grades given by the City Engineer.

SYCAMORE STREET AND BROADWAY SEWER.

The contract for this sewer was made with Francis Mongan, but on account of the unfavorable weather he was allowed to discontinue the work for the season.

SOUTH AND EARLE STREETS SEWER.

This sewer was commenced in 1875, and finished during the year.

MAN-HOLES.

One man-hole has been constructed on the Marshall Street sewer near Oakland Avenue for the purpose of examining the sewer; many more are needed on our old sewers, some of which are half a mile or more in length without a man-hole. The wooden covers should be replaced with iron.

CATCH-BASINS.

Thirty-six catch-basins have been constructed during the year at a cost of about sixty-five dollars each. Several of the old ones have been repaired and many others will need early attention. The openings should be made uniform in size, and iron covers substituted for the wooden ones now in use. Forty-one old and decayed covers have been replaced by new ones.

The sewers in Avon and Leland Streets and Concord Avenue have been built by the city under the direction of D. A. Sanborn, Superintendent of Sewers.

There are quite a number of sewers of which there is no location, nor any record showing the depth; this often causes annoyance, especially in making connections. At all points where connections have been made with these sewers during the year, measurements have been taken to determine the location and depth.

The appropriation for sewers was \$10,000, and a special appropriation of \$35,000 for the Beacon and Elm Streets sewer. The amount expended by the Sewer Department, exclusive of the Beacon and Elm Streets sewer was \$8,078.15, which includes the salary of the Superintendent, the portion paid by the city for the

construction of new sewers, the construction of catch-basins, the cleaning of sewers and catch-basins and general repairs. The Superintendent reports the cost of removing the deposit from catch-basins at about fifty-two cents per load, and for removing the same from the large sewers at about eighty-four cents per load. \$29,943.74 was expended in the construction of the Beacon and Elm Streets sewer.

Sewer assessments have been laid as follows, viz.: South and Earle Streets \$894.62; Concord Avenue, from Springfield to Leon Streets, \$453.59; Avon Street, \$705.02; Leland Street, \$984.28; and Beech and Pitman Streets, \$507.50; making a total of \$3,545.01.

A sewer was ordered in Chester Street and a contract made with Francis Mongan for its construction, but on account of the delay in the construction of the Beacon and Elm Streets sewer, with which it was to connect, the work was postponed for the season.

CRAGIE BRIDGE OUTLET.

By an Act of the Legislature, approved May 8, 1875, the cities of Cambridge and Somerville are required to extend the main sewer towards or into the deep water channel of Charles River, the work not to be commenced until the plans are approved by the Harbor Commissioners, — the extension to be made within two years.

Acting under instructions from the Committee on Sewers of the cities of Cambridge and Somerville, a plan prepared by J. G. Chase, City Engineer of Cambridge, contemplating the construction of a wooden box attached to the piles of the bridge, was presented to the Harbor Commissioners for their approval. This plan was objected to by the Harbor Commissioners on account of its interfering with the free ebb and flow of the tide, and by the Engineer for the Bridge Commissioners on account of the additional weight that would be brought to bear on the piles. In June a plan made by Wm. S. Barbour, City Engineer of Cambridge (successor to Mr. Chase), in which it is proposed to extend the sewer by laying six wrought-iron enamelled pipes, fourteen inches in diameter, below low water, was approved by the Harbor Commissioners, but the construction was deferred until another year.

PRIVATE DRAINS.

The new city ordinance in relation to sewers and drains requires that all connections of private drains with common sewers be made by persons licensed in writing by the Mayor and Aldermen, and before performing any work to give satisfactory bonds for its faithful performance. In May, the Mayor and Aldermen adopted certain "Rules in relation to Private Drains." (*See Appendix.*)

The owner or agent of the premises to be drained is required to make an application to the City Engineer in writing; the permit is then issued to a licensed drain-layer, who performs the work and makes a return of the same to this office. The adoption of this system has secured a better class of work; still there is room for improvement.

The work of laying private drains should be carefully inspected; the experience of our city in the past has been such as to teach us that too much care cannot be exercised in this branch of our drainage. In building the Beacon and Elm Streets sewer through Mossland Street, a portion of an old sewer fifteen inches in diameter was taken up, and at a connection of a private drain with the sewer the drain pipe was found to project nearly half-way across the sewer, thus reducing the capacity of the sewer about one fourth. Many other samples of poor workmanship have been found, which, if not discovered, would probably cause serious damage.

VENTILATION OF HOUSE DRAINS.

Several complaints have been made at this office that the sewer gases entered the dwelling-houses. On investigation the trouble was found to be on account of a defect, or a lack of ventilation of the house drain. The soil pipes should be carried through the roof, and a proper ventilator attached, or the soil pipe should be connected with the flue of a chimney; water-closets should be ventilated from the space under the seat; the rain-water conductors from the roofs should connect with the drains, except when located at such points that the prevailing direction of the wind would be liable to convey the gases through an open window into the rooms of the

house, which frequently occurs in French-roofed houses. Wherever these arrangements have been applied, the trouble from sewer gases has been entirely removed.

Particular attention should be paid to the proper ventilation of house drains, for the most dangerous gases are not perceptible to the smell, and without warning the occupants quietly breathe these poisons.

Thirteen persons have been licensed by the Mayor and Aldermen as drain-layers.

One hundred and twelve permits for laying private drains have been issued during the year, and the location recorded in a book for the purpose, as required by the city ordinance.

HIGHWAYS.

No new streets have been laid out during the year, but several streets previously laid out have been finished. The following statement will show the principal street improvements:—

STREET IMPROVEMENTS IN 1876.

NAME.	FROM	TO	HOW IMPROVED.	Approx. length in feet.
Beacon	Kent	Somerville Av.	Macadamized	2,425
Broadway	Cutter	Boston Line ..	Remacadamized .	1,600
Chauncey Av'nue	Broadway	Mystic Avenue	Macadamized	1,325
Concord Avenue.	Springfield	Leon	Macadamized	515
Glen	Flint	Oliver	Macadamized	190
Linwood	Washington ...	Somerville Av	Macadamized	2,050
Mossland	Somerville Av..	Elm	Macadamized	380
Somerville Av...	Cambridge line	Elm.....	Gravelled	9,650
Winthrop Av'nue	Broadway	Mystic Avenue	Macadamized	1,225
Total .....	.....	.....	.....	19,360

The following statement shows the assessments laid on estates benefited by the laying out and grading of the respective streets :—

HIGHWAY BETTERMENT ASSESSMENTS LAID IN 1876.

STREET.	FROM	TO	Approx. length in feet.	ASSESSMENT.
Chauncey Av'nue	Broadway	Mystic Avenue ..	1,325	\$6,507.12
Concord Avenue	Prospect	Springfield.....	1,010	2,010.07
Concord Avenue	Springfield	Leon	515	380 28
Glen	Flint.....	Oliver	190	102 00
Newton	Webster Avenue	Concord Avenue	630	685.33
Springfield	Concord Avenue	Cambridge Line	790	974.30
Winthrop Av'nue	Broadway	Mystic Avenue ..	1,225	5,347.50
Totals.....	.....	.....	5,685	\$16,006.60

STREET LINES.

In 1861, immediately after the Richardson survey, stone bounds were set in all the accepted streets of the town. Most of these were set in the centre of the street. In the construction of sewers, laying water pipes, and changes in grade, many have been removed ; and nearly all the new streets laid out since 1861 are without any permanent bounds or reference marks. When the streets were laid out or constructed, bounds might easily have been set, and at a slight additional expense ; but in many streets it is now necessary to make a resurvey of the street, and even then it is oftentimes impossible to run the line shown on the plan of the laying out, on account of the incompleteness of many of the plans, as shown by the absence of any connection of the lines on the plan with permanent structures or marks on the ground.

The labor and expense of establishing these lines are great, but it is quite important that the matter should receive early attention, for the data for re-establishing the old street lines are each year growing less.

During the year lines have been re-established on twelve streets, and properly recorded; eighteen new stone bounds have been set and points have been established ready for setting twenty-four more. Four old bounds have been repaired and properly adjusted to line and grade. Street lines for setting fences have been furnished to eleven abutters.

BRIDGES.

In July, 1875, the Mayor and Aldermen petitioned the County Commissioners that the bridges over the Boston and Lowell Railroad on School, Medford, Cross, and Walnut Streets, and the Lowell Railroad bridge over Washington Street, might be rebuilt at the proper width and such changes made in the structures as to render the street safe for public travel. Several hearings were given in 1875, and in November, 1876, the County Commissioners, in company with several members of the City Council, visited the several bridges, but thus far no decision has been given by the County Commissioners.

During the year, the Boston and Lowell Railroad Company constructed a sidewalk on Washington Street under their railroad, and repaired and enlarged the drain near the bridge.

Nearly all the railroad bridges in the city are unsightly, awkward structures, and the safety of many of them for public travel might be questioned. It is recommended that each bridge be carefully examined semiannually, and the result reported in writing to the City Council.

CENTRAL HILL PARK.

In January, the City Council passed the following:—

“Ordered, that the City Engineer be directed to draft and submit a plan for the laying out and grading of the public grounds owned by the city and situated on Highland Avenue.”

The survey of the grounds was commenced as soon as the weather would permit, but on account of the pressure of other work was not completed until November. In May, the City Council passed the following: “Ordered, that the Committee on Public Property be and they are hereby authorized and instructed to finish the grading of the area included between Highland Avenue and the circu-

lar driveway in front of the High School building, and properly sod the same; also to set a curbing stone of granite similar to that about the City Hall, along the line of Highland Avenue; also to set out a suitable number of trees on said area, the expense of the same to be charged to Miscellaneous Account." Acting under the above order, the Committee on Public Property instructed the City Engineer to submit a plan and estimates for the improvements in front of the High School building, the same to be a part of the general plan for the improvement of the entire area. The plans submitted were approved by the committee, and proposed the construction of a substantial driveway, twenty feet in width with paved gutters on either side provided with catch-basins and drains to remove the surface water, the setting of a granite curb on Highland Avenue in front of the High School building, setting granite steps at the central entrance, and constructing a brick walk twelve feet in width with granite edges, from Highland Avenue to the High School building. The cost of the improvement was as follows:

John Turner & Co. furnishing and setting 208 $\frac{4}{10}$ ft.	
of curbing, 4 steps, 5 posts,	\$653 00
Martin Gill, driveway, catch-basins, and drains,	757 72
J. W. Kidney, 177 $\frac{4}{10}$ lineal feet of edgestone at \$1.48,	262 55
" 141 $\frac{4}{10}$ square yards of brick paving at	
\$1.00,	141 40
" two small granite posts at \$6.00,	12 00
" building wall under steps,	15 00
Francis Mongan, grading and sodding lawn 17,627 sq.	
ft. at \$.02 $\frac{1}{6}$,	381 92
Francis Mongan, 4 $\frac{7}{10}$ cords of manure at \$7.00,	32 90
" spading in manure,	30 00
" grading between driveway and church,	35 00
Hugh Carney, 30 trees and setting the same at \$3.50,	105 00
Somerville Water Works, pipes and connections for	
hydrant on lawn,	14 55
	<hr/>
	\$2,441 04
Less amount received for centennial trees,	31 50
Total,	<hr/>
	\$2,409 54

Under the instructions received in January two plans were presented to the City Council, Dec. 18, 1876, for the laying out and improving the Park. Plan No. 1 contemplated laying out the grounds by the construction of walks; and Plan No. 2, the laying out of the same by the construction of walks and driveways,—both plans make provision for the erection of a Memorial Building or Soldiers' Monument, between the High School building and the Engine House. The plans were referred to the next City Government.

On account of the grade of the High School building and of the several streets adjoining the Park, it is a matter of considerable difficulty to establish a satisfactory grade. The grade proposed on the plans presented would lower the summit of the hill from the Engine House to the Flag-staff to an elevation three feet above the sidewalk on Highland Avenue, and from the Flag-staff gradually rising to the present grade at the High School building, thence gradually falling to School Street in the rear of the City Hall. No material change is proposed on the slopes near Medford Street and the Lowell Railroad. The proposed grade would destroy the remains of the old earthworks referred to by my predecessor in his report for the year 1875. An attempt to preserve these indistinct remains would prevent the establishing of satisfactory grades and would mar the general appearance of the Park. A suitable tablet can be erected to mark the position of the earthworks.

BROADWAY PARK.

This Park was completed in July. The work for the year consisted in the construction of an iron fence, grading the entire area, laying out and constructing walks, setting out shade trees, etc.

Under authority of the Acts of Legislature, Chap. 97, for the year 1874, betterments were assessed on the real estates in the vicinity, the betterments extending about 3,100 feet from the Park in an easterly and westerly direction, and about 1,000 feet in a northerly and southerly direction. The adjudged betterment per foot was from $\frac{3}{4}$ of a cent to $2\frac{1}{2}$ cents per foot on the land fronting the Park, thence gradually diminishing to $\frac{1}{4}$ of a cent on the estates

situated on the outside limits of the assessments. Eight hundred and thirteen estates were assessed, amounting to \$46,932.90. The assessment was 40 per cent of the adjudged benefit.

WATER WORKS.

Street lines and grades have occasionally been furnished to the Superintendent of Water Works for the laying of pipes and setting hydrants. The water pipes laid and gates and hydrants set for the last few years have been marked on the large water-maps. A new map, showing in detail the location of the mains and service pipes is needed; those now in use in many respects are not reliable.

PERAMBULATION OF CITY LINES.

The lines between Boston and Somerville were perambulated by a committee from the Board of Aldermen, the acting City Clerk and the City Engineer, in connection with a similar delegation from the city of Boston. The bounds were put in proper condition and properly marked. That portion of the line southerly of Washington Street should be carefully surveyed and proper reference marks established, as the line follows a succession of creeks which will be entirely obliterated, if the low lands in this vicinity are filled, as now proposed.

GENERAL SURVEY OF THE CITY.

A careful survey of the city is much needed, and with this in view, in making the surveys during the last year, base lines have been run and measured for the purpose of making an accurate map of the city at some future time; the large number of new streets laid out, and the many changes made in the old streets, renders the maps of the city now in use of little value.

STREET NUMBERING.

Twenty-two streets have been numbered, and owners of houses notified; plans have been made of each street, on which the numbers are properly recorded; surveys have been completed for many other streets, and the plans will be made up during the winter.

ENGINEERING EXPENSES.

Salary of City Engineer,	\$2,100 00
Assistants,	1,549 55
Appropriation for team,	200 00
Drawing instruments, stationery, stakes, tools, postage, etc.,	224 57
	<hr/>
Total,	\$4,074 12
	<hr/>

The expense for assistants was used as follows : —

Beacon and Elm Streets sewer, surveys and inspection,	\$523 78
Sewers, except the Beacon and Elm Streets sewer,	94 66
Highways,	113 03
Broadway Park, surveys and inspection,	358 05
Street numbering,	130 38
Central Hill Park,	162 26
Miscellaneous,	167 39
	<hr/>
Total,	\$1,549 55
	<hr/>

By which it will be seen that the above includes several items not heretofore charged to this department. In previous reports, the inspection of the construction of the Beacon and Elm Streets sewer and Broadway Park would have been charged to other appropriations.

This, my first annual report, is respectfully submitted.

GEORGE A. KIMBALL,

City Engineer.

APPENDIX.

RULES IN RELATION TO PRIVATE DRAINS.

[Adopted by the Mayor and Aldermen, May 22, 1876.]

Persons applying for license shall make an application to the Board of Mayor and Aldermen in writing, stating their business and giving names of bondsmen.

None but faithful, skilful, and experienced men shall be intrusted with any part of the work.

Drain-layers must make full written returns of the ordinary and special uses for which the drains are designed, whether of new work, or alterations, or additions, with a full description of all apparatus and arrangements and conditions of the common sewer in every case. The return to be made to the City Engineer by the drain-layer who obtained the permit, within forty-eight hours after attachment with the sewer, or completion of alterations or additions.

Violations of rules and regulations, or the conditions under which the license is taken, will subject the drain-layer to forfeiture of his license as well as to the pains and penalties of his bond.

The City Engineer shall be the judge as to whether these conditions have in any case been fulfilled.

Application for permit to connect with any sewer which has been constructed, or which is in process of construction, must be made in writing to the City Engineer by the owners of the property to be drained, or their duly authorized agents, and must be accompanied by a clear description of the premises to be drained, and of drains required, and also certain agreements, all as provided in the printed form issued by the City Engineer.

At least twenty-four hours' notice must be given at the office of the City Engineer before any street or public way can be opened for the purpose of laying a private drain.

No pipe can be extended from work previously done and accepted, or new connection of any kind be made with such work, unless previous notice of at least twenty-four hours be given to the City Engineer.

No work of laying drains can be commenced or continued unless the permit is on the grounds in the hands of the drain-layer or some one employed by him, and the same must be shown to a police officer or any other officer of the city, if they shall so request.

In opening any street or public way, all materials for paving or ballasting must be removed with the least possible injury or loss of the same, and, together with the excavated materials from the trenches, must be placed where they will cause the least practicable inconvenience to the public. As little as possible of the trench must be dug until the junction piece or inlet is found.

No pipes or materials to be used until inspected by the City Engineer or his assistants or the Superintendent of Sewers.

The least inclication, unless by special permit, that can be allowed for water-closet, kitchen or other drains, not over five inches in diameter, liable to receive solid substances, is one inch in five feet, and for cellar and other drains to receive water only, one inch in ten feet. All drains to be laid with a uniform grade.

All pipes that receive surface drainage, or drain hotels, eating-houses, meat-packing houses, slaughter-houses, lard or grease rendering establishments, and other manufactories or privy vaults, must be supplied with an intervening catch-basin or grease-trap, of such dimensions and pattern as the City Engineer shall direct.

Back filling in trench is to be puddled, or, if water cannot be obtained, the filling must be thoroughly and compactly rammed.

No exhaust from steam-engines shall be connected with a public or private drain, nor any blow-off from steam-boilers shall be connected without a special permit in writing.

In case a water or gas pipe, or a drain in actual use should come in the way, the question of removing or disturbing, or passing over or under said obstruction shall be decided by the City Engineer.

When any change is made in the direction of the pipe, either vertical or horizontal, curves must be used.

All persons are required to place an effectual trap in the line of drain just before it leaves the premises.

It is recommended, in order to secure good ventilation of the drains, that the owner of the premises make an open connection with a down spout, or an open connection with the highest part of the soil pipe, within the premises, through a large pipe or flue to a point above the building.

ANNUAL REPORT

OF THE

TRUSTEES OF THE PUBLIC LIBRARY

OF THE

CITY OF SOMERVILLE,

FOR THE

YEAR 1876.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, March 5, 1877.

Received, accepted, and referred to the Committee on Printing, with instructions to print the same in the annual report of the City, also have three hundred copies printed separate, and sent down for concurrence.

CHARLES E. GILMAN, *Clerk*.

IN COMMON COUNCIL, March 7, 1877.

Concurred in.

SOLOMON DAVIS, *Clerk*.

THE FREE PUBLIC LIBRARY.

FOURTH ANNUAL REPORT.

GENTLEMEN OF THE CITY COUNCIL:—We herewith submit to you our Fourth Annual Report as Trustees of the Public Library.

It has been our desire in the year that is past to administer the important trust confided to us in the strictest conformity to the prevailing policy of municipal retrenchment. Influenced by this purpose, we early agreed to withhold the usual petition for a special appropriation. This action has of course precluded a large accession to the Library; still, we are permitted to report a steady and substantial growth. We have been able, not only to meet an active demand for the publications of the day, but also to add considerably to the general resources of the Library.

On the part of the community, we have witnessed, we are pleased to say, a marked development of interest as regards the Library, and a much more active participation in its privileges. During the year over 46,800 books have been given out, — an increase of nearly 8,000 volumes over the preceding year. As many as 1,190 have been given out in one week, and 385 in a single day. When it is remembered that we have only 5,752 volumes all told, it must be evident enough that the Library meets an actual want in the community. Nearly 1,100 new names have been added to the list of borrowers within the year. For the last quarter, over 100 names have been added each month. Sometimes, as the Librarian reports, as many as a dozen cards have been in waiting for the same book; and not infrequently postal cards are left that the borrower may be promptly notified of the presence of a particular book.

Such facts as these give unmistakable indication that the Library

has already become the centre of no little intellectual activity and wholesome impulse. Henceforth it must be recognized — so it seems to us — as one of the most available and inexpensive of the educational forces at your command. It is certainly entitled to stand side by side with our common schools as bulwarks of sobriety and order. We heartily congratulate you on the assured success of the experiment you so wisely instituted in the interests of enlightenment and good citizenship.

The Reading-Table, established as an adjunct to the Library in the hope that it would prove the nucleus of a well-furnished reading-room, has been steadily patronized. It has been supplied during the year with some twenty publications, — about the extent of its capacity; and it has proved so attractive and useful, notwithstanding the inconveniences of the place, that we now feel a lively regret that we are unable to afford better facilities in this direction.

At the beginning of the year, Miss H. A. Adams was unanimously re-elected Librarian. To her zeal and vigilant supervision we are greatly indebted for the successful operation of the Library. With the exception of two inexpensive books, no loss has been incurred beyond the ordinary wear and tear. The Library has been open to the public 306 days, — *i. e.*, on all days excepting Sundays and holidays.

The financial statement is as follows :

Credit balance from 1875,	\$1,230.93	
Amount of dog-license money		
from the county,	1,260.29	
Received for Catalogues and fines,	216.46	
	<hr/>	\$2,707.68
Expenses for 1876 :		
For purchase of books,	\$876.83	
“ salaries,	1,062.85	
“ incidentals,	316.70	
	<hr/>	2,256.38
Balance to new account,		<hr/> <hr/> \$451.30

In view of the stringency of the times, we contemplate this showing with some degree of satisfaction ; but, we are willing to confess, it is not altogether without misgiving. We fully recognize the present need of wise economy in the expenditures of the city government. But, when we consider the intimate connection of the Library to the most vital interests of the city ; when we remember that it must afford to a large majority of those who leave our public schools whatever facilities of higher education they are to enjoy ; when we reflect that to many it must be both school and college ; that it must be, in many instances, the chief awakener of intellectual life, and the almost exclusive dispenser of light and refinement ; when, watching its silent workings, we behold its streams of influence issuing forth upon the community, and returning so certainly, though often through indirect and vicarious channels, in multiplied and substantial benefits to the tax-payer, — we are profoundly impressed with the conviction that it is quite possible to be too stringently economical in the management of an institution like this ; that such economy might easily prove both short-sighted and expensive ; that *niggardliness* here might turn out to be *prodigality* itself.

We would therefore deprecate an over-thriftiness in the management of the Library as especially unwise ; and we take this occasion to earnestly bespeak for it — what you have never, it is believed, been disposed to withhold — a liberal and far-sighted policy.

Respectfully submitted.

W. G. TOUSEY.
 QUINCY A. VINAL.
 WILLIAM VEAZIE.
 THOMAS J. BUFFUM.
 EDWIN S. CONANT.
 ROSWELL C. DOWNER.
 ALBERT M. ROBINSON.
 T. H. RAYMOND.
 HENRY H. BARBER.



ANNUAL REPORT
OF THE
OVERSEERS OF THE POOR
OF THE
CITY OF SOMERVILLE,
1876.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, Feb. 26, 1877.

Report accepted, referred to the Committee on Printing with instructions to print the same in the Annual Report of the City, and sent down for concurrence.

CHARLES E. GILMAN, *Clerk*.

IN COMMON COUNCIL, Feb. 28, 1877.

Concurred in.

SOLOMON DAVIS, *Clerk*.

REPORT
OF THE
BOARD OF OVERSEERS OF THE POOR,
FOR THE
Year ending Dec. 31, 1876.

To His Honor the Mayor, and to the City Council :

GENTLEMEN, — During the past year there has been an increased demand for aid from all classes of the poor.

The man who had never asked assistance before, and who, could he have found employment, would a thousand times rather have earned sufficient for the support of himself and family, has in some instances been compelled, as a last resort, to solicit aid from the Overseers of the Poor.

The widow, who in prosperous times would contrive by hard work and frugality to support herself and children during the greater part of the year, has been necessitated, more than ever before, to lean upon the charities of the city ; and many others, who in prosperous times asked aid only in cases of sickness or during the winter months, have been constant recipients of public charity.

The number of insane persons having settlements in our city, and for whom the city is called upon to bear the expense of their treatment and support at the State insane hospitals, has been greater during the past than any preceding year. The cause of this increase is obvious. The law regulating the matter of compensation at the State hospitals gives the State authorities the choice of collecting their bills, either of the place where the patient has a settlement or of the patient's responsible relatives.

During the past year the city has been required to pay bills, where the relatives were quite able and apparently willing to bear the expense.

By a law enacted during the past year, the city is required to bear the expenses of such inmates of the State reform schools as have settlements in our city. Thus an additional expense has been placed upon us, as there are a number of boys in the reform schools whose legal settlement is in our city.

The number of poor who have been provided for at the Charlestown Almshouse has not been greatly increased.

The number of the poor who have received temporary aid, and who have settlements in our city or in other cities or towns in the Commonwealth, has been considerably increased.

This has been mainly caused by the application of the settlement law of 1874, which gives a settlement to any man who, having no previous settlement, resides in a place five years and pays three taxes during that time, and to any woman who resides in a place five years without having received aid from the Overseers of the Poor during that time.

The system of providing for the poor is the same, with a few slight modifications, as it was when the population of our city was not more than one-tenth part of what it is at the present time.

There are many changes which we have deemed necessary and have suggested in previous reports and communications to the City Council; but as these changes have not been carried into effect by the favorable action of that body we would again briefly call your attention to them.

We would suggest that an almshouse be erected, either within the limits of our city or elsewhere, for the accommodation of such homeless poor as are now provided for at the Charlestown Almshouse; and there should be in connection with this building hospital accommodations for the sick poor.

We believe that the city should have control of, at least, one burial-ground to be used for the accommodation of the poor, and of others who are not otherwise provided for.

The law of the Commonwealth requires every city or town to be provided with at least one burial-ground.

Being confident that the expenses to the city would be considerably diminished, and the wants of the poor equally well provided for, if the groceries and provisions given to the poor were purchased and dispensed to the poor by an agent appointed by, and under the control of the Overseers of the Poor, we would suggest that arrangements be made to carry such a plan into effect.

We believe that measures should be adopted whereby the large number of tramps that are fed and lodged at the expense of the city should be compelled to give sufficient labor to reimburse the city, partially at least, for expenses incurred on their account. We have been unable thus far to carry into effect the law of the State giving the Overseers of the Poor the power to require work of this class of persons.

You will find appended tables of expenses and receipts, also tables of the number in the different classes assisted by us during the year, to which we would respectfully call your attention.

ANSEL LEWIS,
THOMAS CUNNINGHAM,
HORACE CHAPIN,

Overseers of the Poor.

EXPENSES FOR THE YEAR ENDING DEC. 31, 1876.

House rents,	\$616 00
Groceries and provisions,	12,342 96
Fuel,	4,500 48
Boots and shoes,	1,076 86
Dry goods,	131 89
Clothing,	49 00
Furniture,	12 30
Aid to paupers having settlements elsewhere,	1,550 93
Board and nursing of paupers in private families,	573 86
Board and nursing of paupers in Massachusetts General Hospital,	65 00
Board and nursing of paupers in insane asylums,	803 88
<i>Amount carried forward,</i>	<hr/> \$21,723 16

<i>Amount brought forward,</i>	\$21,723 16
Board and nursing of paupers in Charlestown Almshouse,	866 39
Board and nursing of paupers in Reform School and Houses of Correction,	62 67
Medical examination of insane,	15 00
Burial of paupers,	575 75
Food for tramps and lodgers,	260 75
Transportation of paupers to State Almshouse and other places,	108 38
Books, stationery, postage stamps,	88 95
Salaries of overseers,	1,100 00
Miscellaneous,	56 00
	<hr/>
	\$24,857 05
	<hr/>

RECEIPTS.

For support of paupers at Charlestown Almshouse,	\$120 85
From State treasurer,	425 89
From other cities and towns,	3,420 39
For cash paid for support of persons at lunatic hospitals,	67 09
For cash paid for support of boys at State Reform School,	39 42
For cash received from lodge laborers,	3,161 20
	<hr/>
	\$7,234 84

Net expenses of the year,	\$17,622 21
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Number of families assisted,	562
Number of above whose settlements were in other cities or towns,	85
Number of families assisted by other cities and towns whose settlements are in our city,	32
Number of persons supported in Charlestown Almshouse,	8

Number in insane asylums,	9
“ State Reform Schools,	3
“ Work-house,	2
Number boarded in families,	6
“ Massachusetts General Hospital,	1
Number of tramps accommodated at the police station,	1,936
Number of persons sent to State Alms-house,	10
“ families sent out of State,	4

CITY CLERK'S REPORT.

ANNUAL REPORT OF THE CITY CLERK.

STATISTICS OF BIRTHS, MARRIAGES, AND DEATHS IN 1876.

THE statistics of births, marriages, and deaths in the city of Somerville, for the year 1876, are as follows: —

MARRIAGES.

Number of intentions issued in 1876,	163
Less than last year,	2
Number of marriages registered,	145

NATIONALITY OF THOSE REGISTERED.

Born in the United States,	100	
Both parties foreign,	32	
American groom and foreign bride,	4	
Foreign groom and American bride,	7	
Unknown,	2	
	—	145
First marriage,	248	
Second marriage,	36	
Third marriage,	2	
Unknown,	4	
	—	290
Oldest person married,		64
Youngest person married,		17

BIRTHS.

Number of births in 1876,		636
Less than last year,		97
Number of males,	315	
Number of females,	321	
		636
Born of American parents,	248	
Born of foreign parents,	240	
American male and foreign female,	31	
Foreign male and American female,	60	
Unknown,	57	
		636

There were seven pairs of twins.

DEATHS IN YEAR 1876.

Whole number of deaths registered in 1876,	444
Less than last year,	56

Ages.		Males.	Females.	Total.
Under 10 years,	229	113	116	229
Between 10 and 20,	20	12	8	20
“ 20 “ 30,	36	11	25	36
“ 30 “ 40,	41	15	26	41
“ 40 “ 50,	23	13	10	23
“ 50 “ 60,	32	15	17	32
“ 60 “ 70,	24	13	11	24
“ 70 “ 80,	23	4	19	23
“ 80 “ 90,	11	4	7	11
“ 90 “ 100,	5	2	3	5
				444

Oldest person deceased, 95 years, 5 months, and 8 days.

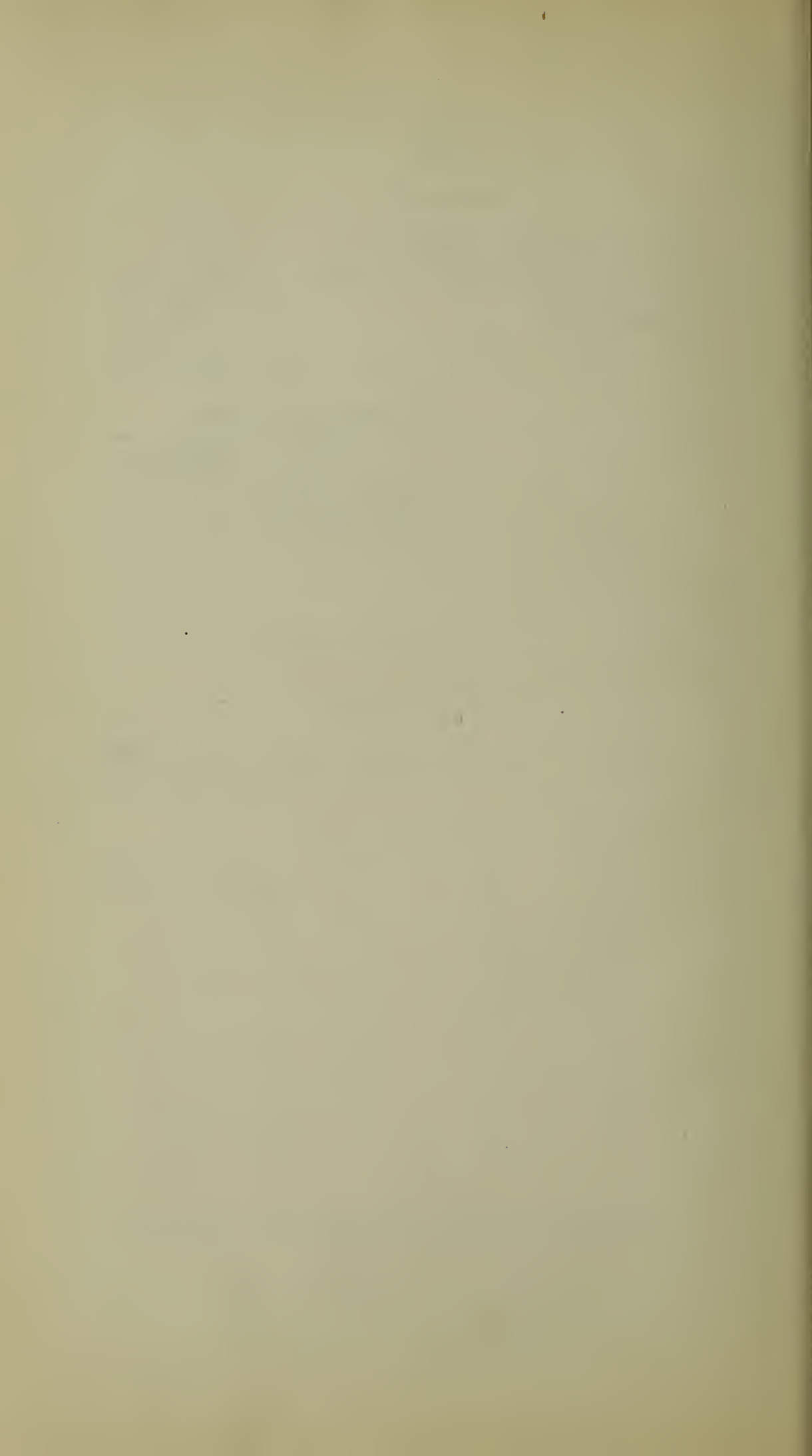
193

NATIONALITY.

Born in Somerville,	190
Born in other places in United States,	162
Of foreign birth,	90
Unknown,	2
	<hr/>
	444

CHARLES E. GILMAN,

City Clerk.



ORDINANCES ORDAINED IN 1876.

CITY OF SOMERVILLE.

IN THE YEAR ONE THOUSAND EIGHT HUNDRED AND SEVENTY-SIX.

ORDINANCE NO. 28.

AN ORDINANCE IN RELATION TO SINKING FUNDS.

Be it ordained by the City Council of the City of Somerville, as follows:

SECTION 1. There shall be a Board of Commissioners of the Sinking Funds of the city, elected for the purposes, and in accordance with the provisions set forth in Chapter 209 of the Acts of 1875.

SECT. 2. The City Council for the year 1876 shall, as soon as may be convenient, elect by concurrent vote three persons to act as a Board of Commissioners, one for three years, one for two years, and one for one year; and thereafter the City Council shall annually, as soon after their organization as may be convenient, elect in the same manner one person who shall hold his office for the term of three years next ensuing, or until another shall be elected in his stead. Vacancies occurring in the Board shall be filled by concurrent vote of the City Council at any time; the member or members so elected to hold office only for the unexpired term of the member or members who have ceased to hold office, and in case of such vacancy or vacancies the remaining member or members shall exercise the powers of the Board till such vacancy or vacancies shall be filled.

SECT. 3. The Commissioners shall choose a Treasurer and Secretary, who may be the City Treasurer; and if the City Treasurer shall be chosen, his bond shall apply to and include duties

performed under this ordinance. If any other person shall be chosen as Treasurer, he shall give a bond, with sureties, to the satisfaction of the Commissioners, for the proper discharge of the duties of his office.

SECT. 4. The Commissioners shall receive all sums contributed to a Sinking Fund and invest and reinvest the same and the income thereof as it shall accrue, in the name of the Board, in the particular scrip, notes, or bonds for the redemption of which such Sinking Fund was established, or in other bonds of said city, which are secured by Sinking Funds, or in the securities in which by law the funds of savings banks may be invested, except personal securities, although guaranteed by sureties; but no portion of the same shall be loaned to the city except in the manner provided in said Chapter 209 of the Acts of 1875; and the Commissioners may sell and reinvest such securities when required in their judgment for the good management of the fund.

SECT. 5. All loans for constructing the Water Works of the city shall be negotiated for a period not exceeding thirty years. All loans for constructing sewers of the city shall be negotiated for a period not exceeding twenty years, and all other loans for a period not exceeding ten years; *provided, however*, that necessary renewals for the payment of the debt of the city, existing June 13, 1875, shall be made payable, so much thereof as relates to the water loan, on or before the first day of April, 1905, and all other loans then existing on or before the first day of April, 1895. Bonds issued for such loans shall bear upon the face the purpose for which they were issued, and shall be made payable the first day of either January, April, July, or October of the years in which they may respectively mature.

SECT. 6. The Commissioners shall annually, in the month of January, submit to the City Council the amounts required to be raised by taxation for the several Sinking Funds, which amounts shall be put into the annual order laying a specific tax for that year.

SECT. 7. When a debt to be paid from a Sinking Fund shall become due, the Board shall furnish the City Treasurer, from the funds in its care for such payment, the sum required, or so much as may be to the credit of such debt, taking his receipt therefor.

SECT. 8. The Commissioners shall keep a record of their proceedings, and shall annually, in the month of January, make a written report to the City Council of the amount and condition of said funds and the income thereof for the then preceding financial year.

SECT. 9. The Treasurer of said Board of Commissioners shall keep such book or books as will exhibit the actual condition of each particular fund, giving the amount contributed, with accumulation thereto and the time at which the same will be required for purposes of redemption.

SECT. 10. The necessary expenses of said Board of Commissioners shall be paid by the city, and the Treasurer and Secretary thereof shall receive such compensation as shall be fixed by the City Council, but no Commissioner shall receive compensation for his services.

SECT. 11. This ordinance shall take effect upon its passage.

CITY OF SOMERVILLE.

Be it ordained by the City Council of the City of Somerville as follows:

ORDINANCE NO. 29.

AN ORDINANCE RELATING TO THE OFFICE, AND PRESCRIBING THE DUTIES OF THE CITY AUDITOR.

SECTION 1. It shall be the duty of the Auditor to receive all accounts and claims against the city, after the same shall have

been certified as provided in City Ordinance No. 4, Section 2. He shall carefully examine all such accounts and claims, and see that they are all correctly cast, and having certified to the same and entered them on his book kept for that purpose, fold properly, indorse, and present them to the Committee on Accounts.

SECT. 2. He shall, whenever requested by the Committee on Finance, examine and audit the accounts of the City Treasurer and Collector of Taxes, and for that purpose shall have access to all books and papers in his possession, or in the possession of any other officer of the city, or of any committee of the City Council, or either branch thereof.

SECT. 3. Section third of the City Ordinance No. 4, entitled "An ordinance relating to the finances of the city," is hereby repealed.

IN COMMON COUNCIL, April 12, 1876.

Passed to be ordained.

STILLMAN H. LIBBY, *President*.

IN BOARD OF MAYOR AND ALDERMEN, April 17, 1876.

Passed to be ordained.

AUSTIN BELKNAP, *Mayor*.

CITY GOVERNMENT FOR 1876.

MAYOR,

AUSTIN BELKNAP.

House, Central Street; Office, City Hall.

ALDERMEN.

WARD ONE.

RICHARD E. NICKERSON	.	.	.	Pearl Street.
JOHN F. COLE	.	.	.	Perkins Street.

WARD TWO.

GEORGE A. BRUCE	.	.	.	Highland Avenue.
PATRICK RAFFERTY	.	.	.	Somerville Avenue.

WARD THREE.

JACOB T. GLINES	.	.	.	Broadway.
CHARLES W. SAWYER	.	.	.	Sycamore Street.

WARD FOUR.

JAMES B. DAVID	.	.	.	Belmont Street.
JOHN HARRINGTON	.	.	.	Chesnut Court.

COMMON COUNCIL.

STILLMAN H. LIBBY, <i>President</i> ,	.	.	Elm Street.
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WARD ONE.

OLIVER J. DAVIS	.	.	.	Pearl Street.
GEORGE H. CROSBY	.	.	.	Perkins Street.
J. PRESTON LOVERING	.	.	.	Benedict Avenue.
ALONZO BOWERS	.	.	.	Franklin Street.

WARD TWO.

QUINCY A. VINAL	.	.	.	Aldersey Street.
JAMES LONG	.	.	.	School Street.
GEORGE W. TREFREN	.	.	.	Laurel Street.
RUDOLPH KRAMER	.	.	.	Prescott Street.

WARD THREE.

GEORGE C. SKILTON	.	.	.	.	Mills Street.
JOHN R. CONANT	.	.	.	.	Marshall Street.
AMOS M. ANGIER	.	.	.	.	Marshall Street.
WALTER S. BARNES	.	.	.	.	Vernon Street.

WARD FOUR.

STILLMAN H. LIBBY	.	.	.	.	Elm Street.
WILLIAM A. MUZZEY	.	.	.	.	Newbury Street.
JOHN C. NICHOLS	.	.	.	.	Central Street.
CHARLES A. MONGAN	.	.	.	.	Belmont Street.

CITY CLERK.

CHARLES E. GILMAN, Office, City Hall.

CITY TREASURER.

AARON SARGENT, Office, City Hall.

CITY MESSENGER.

JAIRUS MANN, Office, City Hall.

CITY ENGINEER.

GEORGE A. KIMBALL, Office, City Hall.

CITY SOLICITOR.

SAMUEL C. DARLING.

CITY PHYSICIAN.

A H. CARVILL, Office, Bow Street.

CLERK OF COMMON COUNCIL.

SOLOMON DAVIS, Webster Street.

CHIEF OF POLICE.

MELVILL C. PARKHURST, Office, Police Station.

SUPERINTENDENT OF STREETS.

FRANKLIN HENDERSON, Central Street.

CHIEF ENGINEER OF FIRE DEPARTMENT.

JAMES K. HOPKINS . . . Wigglesworth Street.

SUPERINTENDENT OF SEWERS.

DAVID A. SANBORN, Prospect Street.

WATER BOARD.

CHRISTOPHER E. RYMES, *Chairman*, . Summer Street.
 ROBERT A. VINAL, *Clerk* . . . Walnut Street.
 CUTLER DOWNER . . . Central Street.
 THOMAS CUNNINGHAM . . . Oak Street.
 HORACE HASKINS . . . Franklin Street.

OVERSEERS OF POOR.

AUSTIN BELKNAP, *Mayor, Chairman, ex officio*,
 Central Street, Office, City Hall.

HORACE CHAPIN, *Secretary* . . . Office, Union Square.
 THOMAS CUNNINGHAM . . . Oak Street.
 ANSEL LEWIS . . . Webster Street.

ASSESSORS.

THOMAS CUNNINGHAM, *Chairman* . Oak Street, }
 JOHN C. TENNEY . . . Mystic Av. } Office,
 FRANK G. WILLIAMS . . . Albion St. } City
 GEORGE I. VINCENT, *Clerk* . . . Cherry Street. } Hall.

SCHOOL COMMITTEE, 1876.

HON. AUSTIN BELKNAP, *Mayor, ex officio*.

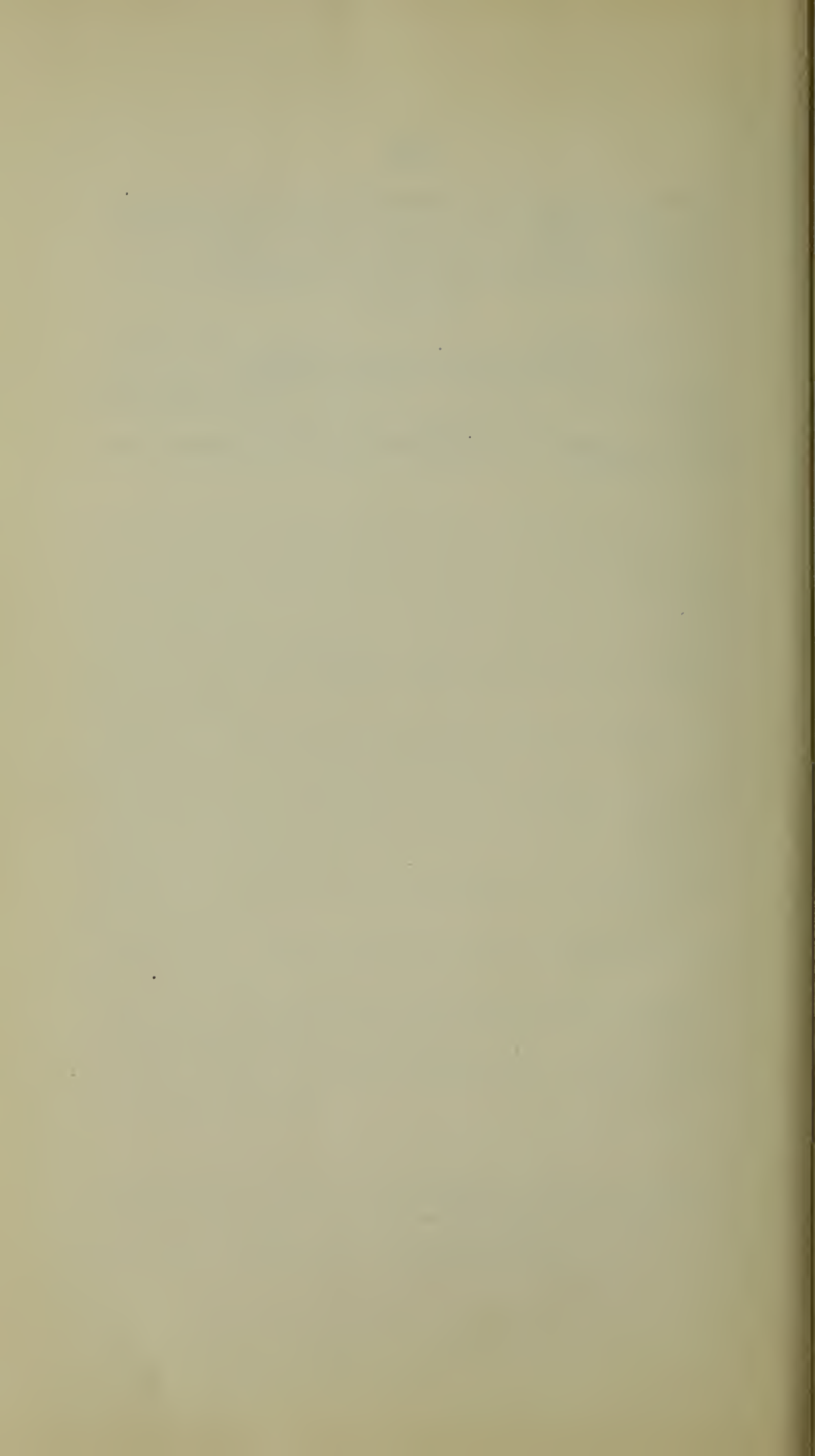
STILLMAN H. LIBBY, *President of Common Council, ex officio*.

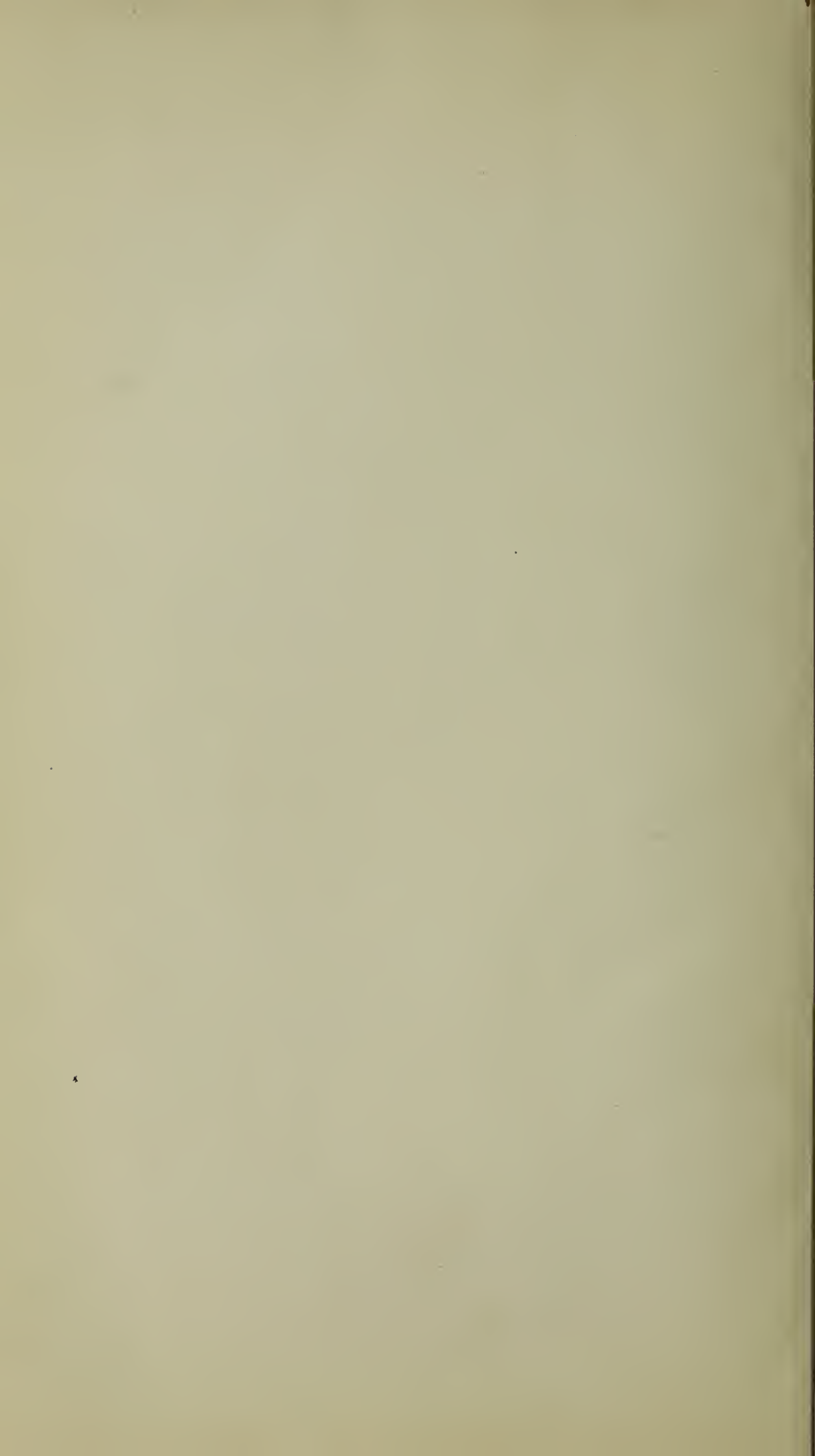
WARD ONE.

HENRY M. MOORE . . . Myrtle Street.
 SANFORD HANSCOM, M. D. . . Perkins Street.
 JOHN H. BUTLER . . . Benedict Street.

WARD TWO.

DANIEL E. CHASE . . . Park Street.
 CHARLES S. LINCOLN . . . Laurel Street.
 MICHAEL F. FARRELL . . . Grand View Avenue.









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